

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: April 4, 2005, 14:47:11 ; Search time 0.001 Seconds  
(without alignments)  
183.834 Million cell updates/sec

Title: us-10-088-666-21

Perfect score: 21

Sequence: 1 ccaagtcacaacgtagttgt 21

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 0.5

Searched: 356 seqs, 4377 residues

Total number of hits satisfying chosen parameters: 712

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 371 summaries

Database : 2lpubdb.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	12.4	59.0	14	1	US-09-947-209A-20
2	12.4	59.0	14	1	US-09-947-209A-20
3	12.4	59.0	14	1	US-10-099-379-20
4	12.4	59.0	14	1	US-10-099-379-20
5	12.4	59.0	14	1	US-10-099-379-20
6	12.4	59.0	14	1	US-10-402-100-20
7	11.4	54.3	13	1	US-10-402-100-20
8	11.4	54.3	13	1	US-10-257-017B-70445
9	11.4	54.3	13	1	US-10-257-017B-70446
10	11.4	54.3	13	1	US-10-257-017B-216031
11	11.2	53.3	16	1	US-10-043-875-402
12	10.6	50.5	15	1	US-10-418-182-215
13	10.6	50.5	15	1	US-10-418-182-215
14	10.4	49.5	12	1	US-09-947-209A-19
15	10.4	49.5	12	1	US-09-947-209A-19
16	10.4	49.5	12	1	US-10-099-379-19
17	10.4	49.5	12	1	US-10-099-379-19
18	10.4	49.5	12	1	US-10-402-100-19
19	10.4	49.5	12	1	US-10-402-100-19
20	10.4	49.5	12	1	US-10-257-017B-319512
21	10.4	49.5	12	1	US-10-257-017B-31109
22	10.4	49.5	12	1	US-10-257-017B-137273
23	10.4	49.5	13	1	US-10-257-017B-381649
24	10.4	49.5	13	1	US-10-257-017B-63653
25	10.4	49.5	13	1	US-10-257-017B-63654
26	10.4	49.5	13	1	US-10-257-017B-130297
27	10.4	49.5	13	1	US-10-257-017B-130298
28	10.4	49.5	13	1	US-10-257-017B-137273
29	10.4	49.5	13	1	US-10-257-017B-162061
30	10.4	49.5	13	1	US-10-257-017B-162062
31	10.4	49.5	13	1	US-10-257-017B-184953
32	10.4	49.5	13	1	US-10-257-017B-184954
33	10.4	49.5	13	1	US-10-257-017B-220049

13	49.5	10.4	34	1	US-10-257-017B-220050	Sequence 220050,
12	47.6	10	C 35	1	US-10-257-017B-336282	Sequence 336282,
12	47.6	10	C 36	1	US-10-257-017B-350516	Sequence 350516,
12	47.6	10	C 37	1	US-10-257-017B-375560	Sequence 375560,
12	47.6	10	C 38	1	US-10-257-017B-381442	Sequence 381442,
13	47.6	10	C 39	1	US-10-257-017B-8889	Sequence 8889, Ap
13	47.6	10	C 40	1	US-10-257-017B-8890	Sequence 8890, Ap
13	47.6	10	C 41	1	US-10-257-017B-28399	Sequence 28399, A
13	47.6	10	C 42	1	US-10-257-017B-28400	Sequence 28400, A
13	47.6	10	C 43	1	US-10-257-017B-32077	Sequence 32077, A
13	47.6	10	C 44	1	US-10-257-017B-32078	Sequence 32078, A
13	47.6	10	C 45	1	US-10-257-017B-54443	Sequence 54443, A
13	47.6	10	C 46	1	US-10-257-017B-54444	Sequence 54444, A
13	47.6	10	C 47	1	US-10-257-017B-81647	Sequence 81647, A
13	47.6	10	C 48	1	US-10-257-017B-81648	Sequence 81648, A
13	47.6	10	C 49	1	US-10-257-017B-245265	Sequence 245265,
13	47.6	10	C 50	1	US-10-257-017B-245266	Sequence 245266,
13	47.6	10	C 51	1	US-10-257-017B-265557	Sequence 265557,
13	47.6	10	C 52	1	US-10-257-017B-265558	Sequence 265558,
13	47.6	10	C 53	1	US-10-257-017B-265559	Sequence 265559,
13	47.6	10	C 54	1	US-10-257-017B-265560	Sequence 265560,
13	47.6	10	C 55	1	US-10-257-017B-266429	Sequence 266429,
13	47.6	10	C 56	1	US-10-257-017B-266430	Sequence 266430,
13	46.7	9.8	C 57	1	US-10-257-017B-18161	Sequence 18161, A
13	46.7	9.8	C 58	1	US-10-257-017B-43101	Sequence 43101, A
13	46.7	9.8	C 59	1	US-10-257-017B-43102	Sequence 43102, A
13	46.7	9.8	C 60	1	US-10-257-017B-70443	Sequence 70443, A
13	46.7	9.8	C 61	1	US-10-257-017B-70444	Sequence 70444, A
13	46.7	9.8	C 62	1	US-10-257-017B-134155	Sequence 134155,
13	46.7	9.8	C 63	1	US-10-257-017B-134156	Sequence 134156,
13	46.7	9.8	C 64	1	US-10-257-017B-162055	Sequence 162055,
13	46.7	9.8	C 65	1	US-10-257-017B-162056	Sequence 162056,
13	46.7	9.8	C 66	1	US-10-257-017B-192139	Sequence 192139,
13	46.7	9.8	C 67	1	US-10-257-017B-192140	Sequence 192140,
13	46.7	9.8	C 68	1	US-10-257-017B-203133	Sequence 203133,
13	46.7	9.8	C 69	1	US-10-257-017B-203134	Sequence 203134,
13	46.7	9.8	C 70	1	US-10-257-017B-216029	Sequence 216029,
13	46.7	9.8	C 71	1	US-10-257-017B-216030	Sequence 216030,
13	46.7	9.8	C 72	1	US-10-257-017B-216031	Sequence 216031,
13	46.7	9.8	C 73	1	US-10-257-017B-219445	Sequence 219445,
13	46.7	9.8	C 74	1	US-10-257-017B-219446	Sequence 219446,
13	46.7	9.8	C 75	1	US-10-257-017B-238063	Sequence 238063,
13	46.7	9.8	C 76	1	US-10-257-017B-238064	Sequence 238064,
13	46.7	9.8	C 77	1	US-10-257-017B-241357	Sequence 241357,
13	46.7	9.8	C 78	1	US-10-257-017B-241358	Sequence 241358,
13	46.7	9.8	C 79	1	US-10-257-017B-251273	Sequence 251273,
13	46.7	9.8	C 80	1	US-10-257-017B-251274	Sequence 251274,
13	46.7	9.8	C 81	1	US-10-257-017B-283325	Sequence 283325,
12	44.8	9.4	C 82	1	US-10-257-017B-284648	Sequence 284648,
12	44.8	9.4	C 83	1	US-10-257-017B-287344	Sequence 287344,
12	44.8	9.4	C 84	1	US-10-257-017B-297905	Sequence 297905,
12	44.8	9.4	C 85	1	US-10-257-017B-305839	Sequence 305839,
12	44.8	9.4	C 86	1	US-10-257-017B-305901	Sequence 305901,
12	44.8	9.4	C 87	1	US-10-257-017B-305983	Sequence 305983,
12	44.8	9.4	C 88	1	US-10-257-017B-318039	Sequence 318039,
12	44.8	9.4	C 89	1	US-10-257-017B-323851	Sequence 323851,
12	44.8	9.4	C 90	1	US-10-257-017B-326074	Sequence 326074,
12	44.8	9.4	C 91	1	US-10-257-017B-330611	Sequence 330611,
12	44.8	9.4	C 92	1	US-10-257-017B-333521	Sequence 333521,
12	44.8	9.4	C 93	1	US-10-257-017B-336192	Sequence 336192,
12	44.8	9.4	C 94	1	US-10-257-017B-336236	Sequence 336236,
12	44.8	9.4	C 95	1	US-10-257-017B-338632	Sequence 338632,
12	44.8	9.4	C 96	1	US-10-257-017B-338645	Sequence 338645,
12	44.8	9.4	C 97	1	US-10-257-017B-352336	Sequence 352336,
12	44.8	9.4	C 98	1	US-10-257-017B-354179	Sequence 354179,
12	44.8	9.4	C 99	1	US-10-257-017B-356925	Sequence 356925,
12	44.8	9.4	C 100	1	US-10-257-017B-358332	Sequence 358332,
12	44.8	9.4	C 101	1	US-10-257-017B-361239	Sequence 361239,
12	44.8	9.4	C 102	1	US-10-257-017B-367608	Sequence 367608,
12	44.8	9.4	C 103	1	US-10-257-017B-372953	Sequence 372953,
12	44.8	9.4	C 104	1	US-10-257-017B-378432	Sequence 378432,
12	44.8	9.4	C 105	1	US-10-257-017B-379924	Sequence 379924,
12	44.8	9.4	C 106	1	US-10-257-017B-380749	Sequence 380749,

c 107	9.4	44.8	13	1	US-10-257-017B-229	Sequence 229, App	180	8.8	41.9	12	1	US-09-841-157A-26	Sequence 26, Appl
c 108	9.4	44.8	13	1	US-10-257-017B-230	Sequence 230, App	c 181	8.8	41.9	12	1	US-10-257-017B-267569	Sequence 267569,
c 109	9.4	44.8	13	1	US-10-257-017B-1529	Sequence 1529, Ap	c 182	8.8	41.9	12	1	US-10-257-017B-269531	Sequence 269531,
c 110	9.4	44.8	13	1	US-10-257-017B-1530	Sequence 1530, Ap	c 183	8.8	41.9	12	1	US-10-257-017B-269992	Sequence 269992,
c 111	9.4	44.8	13	1	US-10-257-017B-11463	Sequence 11463, A	c 184	8.8	41.9	12	1	US-10-257-017B-271182	Sequence 271182,
c 112	9.4	44.8	13	1	US-10-257-017B-11464	Sequence 11464, A	c 185	8.8	41.9	12	1	US-10-257-017B-271295	Sequence 271295,
c 113	9.4	44.8	13	1	US-10-257-017B-11467	Sequence 11467, A	c 186	8.8	41.9	12	1	US-10-257-017B-277366	Sequence 277366,
c 114	9.4	44.8	13	1	US-10-257-017B-11468	Sequence 11468, A	c 187	8.8	41.9	12	1	US-10-257-017B-278740	Sequence 278740,
c 115	9.4	44.8	13	1	US-10-257-017B-12727	Sequence 12727, A	c 188	8.8	41.9	12	1	US-10-257-017B-285976	Sequence 285976,
c 116	9.4	44.8	13	1	US-10-257-017B-12728	Sequence 12728, A	c 189	8.8	41.9	12	1	US-10-257-017B-289658	Sequence 289658,
c 117	9.4	44.8	13	1	US-10-257-017B-12985	Sequence 12985, A	c 190	8.8	41.9	12	1	US-10-257-017B-292327	Sequence 292327,
c 118	9.4	44.8	13	1	US-10-257-017B-12985	Sequence 12985, A	c 191	8.8	41.9	12	1	US-10-257-017B-296063	Sequence 296063,
c 119	9.4	44.8	13	1	US-10-257-017B-12986	Sequence 12986, A	c 192	8.8	41.9	12	1	US-10-257-017B-301980	Sequence 301980,
c 120	9.4	44.8	13	1	US-10-257-017B-14525	Sequence 14525, A	c 193	8.8	41.9	12	1	US-10-257-017B-302561	Sequence 302561,
c 121	9.4	44.8	13	1	US-10-257-017B-14526	Sequence 14526, A	c 194	8.8	41.9	12	1	US-10-257-017B-303599	Sequence 303599,
c 122	9.4	44.8	13	1	US-10-257-017B-21217	Sequence 21217, A	c 195	8.8	41.9	12	1	US-10-257-017B-305230	Sequence 305230,
c 123	9.4	44.8	13	1	US-10-257-017B-21218	Sequence 21218, A	c 196	8.8	41.9	12	1	US-10-257-017B-305786	Sequence 305786,
c 124	9.4	44.8	13	1	US-10-257-017B-34189	Sequence 34189, A	c 197	8.8	41.9	12	1	US-10-257-017B-309138	Sequence 309138,
c 125	9.4	44.8	13	1	US-10-257-017B-34190	Sequence 34190, A	c 198	8.8	41.9	12	1	US-10-257-017B-313800	Sequence 313800,
c 126	9.4	44.8	13	1	US-10-257-017B-36297	Sequence 36297, A	c 199	8.8	41.9	12	1	US-10-257-017B-314871	Sequence 314871,
c 127	9.4	44.8	13	1	US-10-257-017B-36298	Sequence 36298, A	c 200	8.8	41.9	12	1	US-10-257-017B-315959	Sequence 315959,
c 128	9.4	44.8	13	1	US-10-257-017B-79019	Sequence 79019, A	c 201	8.8	41.9	12	1	US-10-257-017B-321063	Sequence 321063,
c 129	9.4	44.8	13	1	US-10-257-017B-79020	Sequence 79020, A	c 202	8.8	41.9	12	1	US-10-257-017B-323092	Sequence 323092,
c 130	9.4	44.8	13	1	US-10-257-017B-80865	Sequence 80865, A	c 203	8.8	41.9	12	1	US-10-257-017B-325470	Sequence 325470,
c 131	9.4	44.8	13	1	US-10-257-017B-80866	Sequence 80866, A	c 204	8.8	41.9	12	1	US-10-257-017B-325470	Sequence 325470,
c 132	9.4	44.8	13	1	US-10-257-017B-84687	Sequence 84687, A	c 205	8.8	41.9	12	1	US-10-257-017B-326692	Sequence 326692,
c 133	9.4	44.8	13	1	US-10-257-017B-84688	Sequence 84688, A	c 206	8.8	41.9	12	1	US-10-257-017B-329449	Sequence 329449,
c 134	9.4	44.8	13	1	US-10-257-017B-92279	Sequence 92279, A	c 207	8.8	41.9	12	1	US-10-257-017B-330616	Sequence 330616,
c 135	9.4	44.8	13	1	US-10-257-017B-92280	Sequence 92280, A	c 208	8.8	41.9	12	1	US-10-257-017B-331110	Sequence 331110,
c 136	9.4	44.8	13	1	US-10-257-017B-98697	Sequence 98697, A	c 209	8.8	41.9	12	1	US-10-257-017B-331665	Sequence 331665,
c 137	9.4	44.8	13	1	US-10-257-017B-98698	Sequence 98698, A	c 210	8.8	41.9	12	1	US-10-257-017B-332463	Sequence 332463,
c 138	9.4	44.8	13	1	US-10-257-017B-120795	Sequence 120795, A	c 211	8.8	41.9	12	1	US-10-257-017B-335244	Sequence 335244,
c 139	9.4	44.8	13	1	US-10-257-017B-120796	Sequence 120796, A	c 212	8.8	41.9	12	1	US-10-257-017B-340229	Sequence 340229,
c 140	9.4	44.8	13	1	US-10-257-017B-153753	Sequence 153753, A	c 213	8.8	41.9	12	1	US-10-257-017B-341801	Sequence 341801,
c 141	9.4	44.8	13	1	US-10-257-017B-153754	Sequence 153754, A	c 214	8.8	41.9	12	1	US-10-257-017B-348645	Sequence 348645,
c 142	9.4	44.8	13	1	US-10-257-017B-159413	Sequence 159413, A	c 215	8.8	41.9	12	1	US-10-257-017B-351641	Sequence 351641,
c 143	9.4	44.8	13	1	US-10-257-017B-159414	Sequence 159414, A	c 216	8.8	41.9	12	1	US-10-257-017B-355444	Sequence 355444,
c 144	9.4	44.8	13	1	US-10-257-017B-169711	Sequence 169711, A	c 217	8.8	41.9	12	1	US-10-257-017B-356175	Sequence 356175,
c 145	9.4	44.8	13	1	US-10-257-017B-169712	Sequence 169712, A	c 218	8.8	41.9	12	1	US-10-257-017B-357778	Sequence 357778,
c 146	9.4	44.8	13	1	US-10-257-017B-173661	Sequence 173661, A	c 219	8.8	41.9	12	1	US-10-257-017B-358183	Sequence 358183,
c 147	9.4	44.8	13	1	US-10-257-017B-173662	Sequence 173662, A	c 220	8.8	41.9	12	1	US-10-257-017B-360073	Sequence 360073,
c 148	9.4	44.8	13	1	US-10-257-017B-179421	Sequence 179421, A	c 221	8.8	41.9	12	1	US-10-257-017B-360971	Sequence 360971,
c 149	9.4	44.8	13	1	US-10-257-017B-179422	Sequence 179422, A	c 222	8.8	41.9	12	1	US-10-257-017B-362987	Sequence 362987,
c 150	9.4	44.8	13	1	US-10-257-017B-192993	Sequence 192993, A	c 223	8.8	41.9	12	1	US-10-257-017B-367530	Sequence 367530,
c 151	9.4	44.8	13	1	US-10-257-017B-192994	Sequence 192994, A	c 224	8.8	41.9	12	1	US-10-257-017B-370799	Sequence 370799,
c 152	9.4	44.8	13	1	US-10-257-017B-194757	Sequence 194757, A	c 225	8.8	41.9	12	1	US-10-257-017B-370871	Sequence 370871,
c 153	9.4	44.8	13	1	US-10-257-017B-194758	Sequence 194758, A	c 226	8.8	41.9	12	1	US-10-257-017B-371151	Sequence 371151,
c 154	9.4	44.8	13	1	US-10-257-017B-202665	Sequence 202665, A	c 227	8.8	41.9	12	1	US-10-257-017B-371151	Sequence 371151,
c 155	9.4	44.8	13	1	US-10-257-017B-202666	Sequence 202666, A	c 228	8.8	41.9	12	1	US-10-257-017B-375382	Sequence 375382,
c 156	9.4	44.8	13	1	US-10-257-017B-216713	Sequence 216713, A	c 229	8.4	40.0	10	1	US-09-884-901-14	Sequence 14, Appl
c 157	9.4	44.8	13	1	US-10-257-017B-216714	Sequence 216714, A	c 230	8.4	40.0	10	1	US-09-947-209A-18	Sequence 18, Appl
c 158	9.4	44.8	13	1	US-10-257-017B-222803	Sequence 222803, A	c 231	8.4	40.0	10	1	US-09-947-209A-18	Sequence 18, Appl
c 159	9.4	44.8	13	1	US-10-257-017B-222804	Sequence 222804, A	c 232	8.4	40.0	10	1	US-10-033-145-1702	Sequence 530, App
c 160	9.4	44.8	13	1	US-10-257-017B-229927	Sequence 229927, A	c 233	8.4	40.0	10	1	US-10-033-145-1702	Sequence 1702, Ap
c 161	9.4	44.8	13	1	US-10-257-017B-229928	Sequence 229928, A	c 234	8.4	40.0	10	1	US-10-084-700-16	Sequence 16, Appl
c 162	9.4	44.8	13	1	US-10-257-017B-356925	Sequence 356925, A	c 235	8.4	40.0	10	1	US-10-099-379-18	Sequence 18, Appl
c 163	9.4	44.8	13	1	US-10-265-031-23	Sequence 23, Appl	c 236	8.4	40.0	10	1	US-10-099-379-18	Sequence 18, Appl
c 164	9.4	44.8	13	1	US-10-438-774-2	Sequence 2, Appl	c 237	8.4	40.0	10	1	US-10-330-627-549	Sequence 549, App
c 165	9.4	44.8	13	1	US-10-257-017B-272940	Sequence 272940, A	c 238	8.4	40.0	10	1	US-10-402-100-18	Sequence 18, Appl
c 166	9.4	44.8	13	1	US-10-257-017B-274246	Sequence 274246, A	c 239	8.4	40.0	10	1	US-10-402-100-18	Sequence 18, Appl
c 167	9.4	44.8	13	1	US-10-257-017B-287825	Sequence 287825, A	c 240	8.4	40.0	10	1	US-09-918-715-5	Sequence 5, Appl
c 168	9.4	44.8	13	1	US-10-257-017B-287995	Sequence 287995, A	c 241	8.4	40.0	10	1	US-09-249-155-37	Sequence 37, Appl
c 169	9.4	44.8	13	1	US-10-257-017B-297451	Sequence 297451, A	c 242	8.4	40.0	10	1	US-10-314-322-37	Sequence 37, Appl
c 170	9.4	44.8	13	1	US-10-257-017B-304611	Sequence 304611, A	c 243	8.4	40.0	10	1	US-10-314-322-37	Sequence 37, Appl
c 171	9.4	44.8	13	1	US-10-257-017B-307633	Sequence 307633, A	c 244	8.4	40.0	10	1	US-10-314-322-37	Sequence 37, Appl
c 172	9.4	44.8	13	1	US-10-257-017B-328619	Sequence 328619, A	c 245	8.4	40.0	10	1	US-10-450-797-883	Sequence 783, App
c 173	9.4	44.8	13	1	US-10-257-017B-330189	Sequence 330189, A	c 246	8.4	40.0	10	1	US-10-450-797-883	Sequence 783, App
c 174	9.4	44.8	13	1	US-10-257-017B-330191	Sequence 330191, A	c 247	8.4	40.0	10	1	US-10-474-794-5	Sequence 5, Appl
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c 176	9.4	44.8	13	1	US-10-257-017B-349819	Sequence 349819, A	c 249	8.4	40.0	10	1	US-10-209-676-18	Sequence 18, Appl
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C 319	8.4	40.0	12	1	US-10-257-017B-331729	Sequence 331729,							
C 320	8.4	40.0	12	1	US-10-257-017B-332923	Sequence 332923,							
C 321	8.4	40.0	12	1	US-10-257-017B-333333	Sequence 333333,							
C 322	8.4	40.0	12	1	US-10-257-017B-333606	Sequence 333606,							
C 323	8.4	40.0	12	1	US-10-257-017B-334114	Sequence 334114,							
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C 325	8.4	40.0	12	1	US-10-257-017B-336281	Sequence 336281,							

## ALIGNMENTS

RESULT 1  
US-09-947-209A-20  
; Sequence 20, Application US/09947209A

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OM nucleic - nucleic search, using sw model

Run on: April 4, 2005, 14:49:02 ; Search time 1 Seconds  
(without alignments)  
0.223 Million cell up

**Title:** us-10-088-666-21

Perfect score: 21  
Sequence: 1 ccaagtcaacaacgtagttgt 21

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 0.5

Searched: 440 seqs, 5308 residues

Total number of hits satisfying chosen parameters: 880

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Minimum DB seq length: 0
Maximum DB seq length: 20000000000
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Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 468 summaries

Database : 21rnqdb:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description	†
1	21	100.0	21	1	AAF61586	Lactobacillus brev	
2	13.4	63.8	18	1	ADQ16816	Immunomodulatory p	
C 3	13.4	63.8	18	1	ADQ16816	Immunomodulatory p	
C 4	13.4	63.8	18	1	ADQ16816	Immunomodulatory p	
C 5	13.4	63.8	18	1	ADQ16815	Immunomodulatory p	
C 6	12.8	61.0	17	1	ACN08302	WNV minus strand H	
C 7	12.8	61.0	17	1	ACN02587	WNV Inozyme subst	
C 8	12.8	61.0	17	1	ACN12825	WNV minus strand Z	
C 9	12.4	59.0	14	1	AA777260	Immunostimulatory	
C 10	12.4	59.0	14	1	AA777260	Immunostimulatory	
C 11	12.2	58.1	17	1	AAF06062	Hammerhead ribozym	
C 12	12.2	58.1	17	1	ACN05170	WNV DNazyme subst	
C 13	11.4	54.3	13	1	ABH16054	Oligonucleotide SE	
C 14	11.4	54.3	13	1	ABH70429	Oligonucleotide SE	
C 15	11.4	54.3	13	1	ABH16055	Oligonucleotide SE	
C 16	11.4	54.3	13	1	ABH70428	Oligonucleotide SE	
C 17	11.2	53.3	16	1	AAQ40629	Hypervariable regi	
C 18	11.2	53.3	16	1	ABZ34160	HIV-1 reverse tran	
C 19	10.8	51.4	15	1	AAV48583	junB gene antisens	
C 20	10.8	51.4	21	1	AAF61586	Lactobacillus brev	
C 21	10.6	50.5	15	1	ADJ72502	Human GPI20 antibo	
C 22	10.4	49.5	12	1	AA777259	Immunostimulatory	
C 23	10.4	49.5	12	1	AA777259	Immunostimulatory	
C 24	10.4	49.5	12	1	AB119539	Oligonucleotide pr	
C 25	10.4	49.5	12	1	AB181676	Oligonucleotide pr	
C 26	10.4	49.5	12	1	AB131136	Oligonucleotide pr	
C 27	10.4	49.5	13	1	ABE63636	Oligonucleotide SE	
C 28	10.4	49.5	13	1	ABF30300	Oligonucleotide SE	
C 29	10.4	49.5	13	1	ABF37276	Oligonucleotide SE	
C 30	10.4	49.5	13	1	ABF37277	Oligonucleotide SE	
C 31	10.4	49.5	13	1	ABF84957	Oligonucleotide SE	
C 32	10.4	49.5	13	1	ABF30301	Oligonucleotide SE	
C 33	10.4	49.5	13	1	ABH20072	Oligonucleotide SE	



c 253	8.4	40.0	10	1	AAE34915	Yeast NORF gene SA	c 326	8.4	40.0	12	1	ABH93807	Oligonucleotide pr
254	8.4	40.0	10	1	AAE35263	Yeast NORF gene SA	327	8.4	40.0	12	1	ABI20180	Oligonucleotide pr
255	8.4	40.0	10	1	AAE37916	Yeast NORF gene SA	c 328	8.4	40.0	12	1	ABH96518	Oligonucleotide pr
256	8.4	40.0	10	1	AAE33760	Yeast NORF gene SA	329	8.4	40.0	12	1	ABH96565	Oligonucleotide pr
257	8.4	40.0	10	1	AAE38939	Yeast NORF gene SA	330	8.4	40.0	12	1	ABI22573	Oligonucleotide pr
258	8.4	40.0	10	1	AAE39089	Yeast NORF gene SA	331	8.4	40.0	12	1	ABI02741	Oligonucleotide pr
259	8.4	40.0	10	1	AAE391137	Yeast NORF gene SA	332	8.4	40.0	12	1	ABI05838	Oligonucleotide pr
260	8.4	40.0	10	1	AAI71014	HNF-4 hepatic nucl	333	8.4	40.0	12	1	ABI34141	Oligonucleotide pr
261	8.4	40.0	10	1	AAE42663	Human BUB3 2.7 kb	334	8.4	40.0	12	1	ABH87109	Oligonucleotide pr
c 262	8.4	40.0	10	1	ABV84665	Human collagen typ	335	8.4	40.0	12	1	ABH66837	Oligonucleotide pr
263	8.4	40.0	10	1	ABV84620	Human death-associ	336	8.4	40.0	12	1	ABH72319	Oligonucleotide pr
c 264	8.4	40.0	10	1	ABV84786	Human thyroxin-bin	337	8.4	40.0	12	1	ABH99233	Oligonucleotide pr
265	8.4	40.0	10	1	ABV84353	Human death-associ	338	8.4	40.0	12	1	ABI26324	Oligonucleotide pr
c 266	8.4	40.0	10	1	AAI43013	Human cerberus 1 (	339	8.4	40.0	12	1	ABI01473	Oligonucleotide pr
267	8.4	40.0	10	1	ABX15889	Human BUB3 gene in	340	8.4	40.0	12	1	ABI49345	Oligonucleotide pr
c 268	8.4	40.0	10	1	AD113639	Extracellular tumo	341	8.4	40.0	12	1	ABI50542	Oligonucleotide pr
269	8.4	40.0	11	1	AA218956	Murine MRL SAGE ta	c 342	8.4	40.0	12	1	ABI52701	Oligonucleotide pr
270	8.4	40.0	11	1	AA218977	Murine C57BL/6 SAG	c 343	8.4	40.0	12	1	ABI75167	Oligonucleotide pr
271	8.4	40.0	11	1	ABQ87030	Human skin stress/	344	8.4	40.0	12	1	ABI66638	Oligonucleotide pr
272	8.4	40.0	11	1	ABQ87128	Human skin stress/	345	8.4	40.0	12	1	ABI21324	Oligonucleotide pr
273	8.4	40.0	11	1	ABV66872	Human skin EST 465	346	8.4	40.0	12	1	ABI27179	Oligonucleotide pr
c 274	8.4	40.0	11	1	ABV63742	Human skin EST 152	347	8.4	40.0	12	1	ABT02837	Oligonucleotide pr
c 275	8.4	40.0	11	1	ABV71163	Human skin EST 894	348	8.4	40.0	12	1	ABH80560	Oligonucleotide pr
276	8.4	40.0	11	1	ABV70985	Human skin EST 877	349	8.4	40.0	12	1	ABH82840	Oligonucleotide pr
277	8.4	40.0	11	1	ABV63564	Human skin EST 135	c 350	8.4	40.0	12	1	ABI48824	Oligonucleotide pr
c 278	8.4	40.0	11	1	ABV63684	Human skin EST 147	351	8.4	40.0	12	1	ABI53316	Oligonucleotide pr
c 279	8.4	40.0	11	1	ABV71105	Human skin EST 889	c 352	8.4	40.0	12	1	ABI75412	Oligonucleotide pr
280	8.4	40.0	11	1	ABV69517	Human skin EST 730	c 353	8.4	40.0	12	1	ABH93087	Oligonucleotide pr
c 281	8.4	40.0	11	1	ABL91907	Human Pan-Rndothel	354	8.4	40.0	12	1	ABH98132	Oligonucleotide pr
282	8.4	40.0	11	1	ABK99331	Human CYP3A5 gene	c 355	8.4	40.0	12	1	ABI23273	Oligonucleotide pr
c 283	8.4	40.0	11	1	ABX71832	DNA tag used to id	c 356	8.4	40.0	12	1	ABH76013	Oligonucleotide pr
284	8.4	40.0	11	1	ADQ30298	Human VRI exon 1d	c 357	8.4	40.0	12	1	ABT26819	Oligonucleotide pr
285	8.4	40.0	11	1	ADQ35578	Human hair-bearing	c 358	8.4	40.0	12	1	ABI14061	Oligonucleotide pr
286	8.4	40.0	11	1	ADQ34387	Human facial skin-	c 359	8.4	40.0	12	1	ABT45049	Oligonucleotide pr
287	8.4	40.0	11	1	ADQ34421	Human facial skin-	c 360	8.4	40.0	12	1	ABI75586	Oligonucleotide pr
288	8.4	40.0	11	1	ADQ33350	Human facial skin-	361	8.4	40.0	12	1	ABI81468	Oligonucleotide pr
c 289	8.4	40.0	12	1	ABH81348	Oligonucleotide pr	362	8.4	40.0	12	1	ABH72318	Oligonucleotide pr
c 290	8.4	40.0	12	1	AAZ98604	Analyte A nucleoti	363	8.4	40.0	12	1	ABH79585	Oligonucleotide pr
291	8.4	40.0	12	1	AAA53094	Mouse DNA adapter	364	8.4	40.0	12	1	ABH85879	Oligonucleotide pr
c 292	8.4	40.0	12	1	AB1310101	Oligonucleotide pr	365	8.4	40.0	12	1	AB138896	Oligonucleotide pr
c 293	8.4	40.0	12	1	AB106085	Oligonucleotide pr	366	8.4	40.0	12	1	ABH91829	Oligonucleotide pr
294	8.4	40.0	12	1	ABH81348	Oligonucleotide pr	c 367	8.4	40.0	12	1	ABI51207	Oligonucleotide pr
c 295	8.4	40.0	12	1	ABH81439	Oligonucleotide pr	c 368	8.4	40.0	12	1	ABI62312	Oligonucleotide pr
296	8.4	40.0	12	1	AB108546	Oligonucleotide pr	369	8.4	40.0	12	1	ABH99889	Oligonucleotide pr
c 297	8.4	40.0	12	1	AB139737	Oligonucleotide pr	370	8.4	40.0	12	1	ABT01886	Oligonucleotide pr
c 298	8.4	40.0	12	1	AB175375	Oligonucleotide pr	c 371	8.4	40.0	12	1	AB136308	Oligonucleotide pr
299	8.4	40.0	12	1	AB175989	Oligonucleotide pr	c 372	8.4	40.0	12	1	ABI72890	Oligonucleotide pr
c 300	8.4	40.0	12	1	AB162424	Oligonucleotide pr	373	8.4	40.0	12	1	ABI75991	Oligonucleotide pr
301	8.4	40.0	12	1	ABH97136	Oligonucleotide pr	374	8.4	40.0	12	1	ABI24963	Oligonucleotide pr
c 302	8.4	40.0	12	1	AB123649	Oligonucleotide pr	c 375	8.4	40.0	12	1	ABT25936	Oligonucleotide pr
303	8.4	40.0	12	1	ABH78124	Oligonucleotide pr	c 376	8.4	40.0	12	1	ABH78671	Oligonucleotide pr
304	8.4	40.0	12	1	AB128995	Oligonucleotide pr	377	8.4	40.0	12	1	ABT33360	Oligonucleotide pr
c 305	8.4	40.0	12	1	AB130009	Oligonucleotide pr	c 378	8.4	40.0	12	1	ABH87928	Oligonucleotide pr
c 306	8.4	40.0	12	1	AB113536	Oligonucleotide pr	c 379	8.4	40.0	12	1	ABI50135	Oligonucleotide pr
307	8.4	40.0	12	1	AB149851	Oligonucleotide pr	c 380	8.4	40.0	12	1	ABI63701	Oligonucleotide pr
308	8.4	40.0	12	1	AB164308	Oligonucleotide pr	381	8.4	40.0	12	1	ABT33633	Oligonucleotide pr
c 309	8.4	40.0	12	1	AB165858	Oligonucleotide pr	382	8.4	40.0	12	1	ABH87004	Oligonucleotide pr
c 310	8.4	40.0	12	1	AB180123	Oligonucleotide pr	383	8.4	40.0	12	1	ABT40595	Oligonucleotide pr
c 311	8.4	40.0	12	1	AB121895	Oligonucleotide pr	384	8.4	40.0	12	1	ABT45238	Oligonucleotide pr
312	8.4	40.0	12	1	ABT24748	Oligonucleotide pr	c 385	8.4	40.0	12	1	ABH80122	Oligonucleotide pr
313	8.4	40.0	12	1	ABT06589	Oligonucleotide pr	386	8.4	40.0	12	1	ABH99464	Oligonucleotide pr
c 314	8.4	40.0	12	1	AB132950	Oligonucleotide pr	c 387	8.4	40.0	12	1	ABH78255	Oligonucleotide pr
c 315	8.4	40.0	12	1	AB142095	Oligonucleotide pr	c 388	8.4	40.0	12	1	ABT14208	Oligonucleotide pr
c 316	8.4	40.0	12	1	AB167820	Oligonucleotide pr	c 389	8.4	40.0	12	1	ABT47813	Oligonucleotide pr
317	8.4	40.0	12	1	AB181287	Oligonucleotide pr	c 390	8.4	40.0	12	1	ABT55081	Oligonucleotide pr
318	8.4	40.0	12	1	AB120181	Oligonucleotide pr	c 391	8.4	40.0	12	1	ABT17960	Oligonucleotide pr
c 319	8.4	40.0	12	1	ABH71829	Oligonucleotide pr	c 392	8.4	40.0	12	1	ABT21686	Oligonucleotide pr
c 320	8.4	40.0	12	1	ABT23567	Oligonucleotide pr	c 393	8.4	40.0	12	1	ABT24997	Oligonucleotide pr
c 321	8.4	40.0	12	1	AB127518	Oligonucleotide pr	c 394	8.4	40.0	12	1	ABT07506	Oligonucleotide pr
c 322	8.4	40.0	12	1	AB107905	Oligonucleotide pr	395	8.4	40.0	12	1	ABH83359	Oligonucleotide pr
323	8.4	40.0	12	1	AB108404	Oligonucleotide pr	c 396	8.4	40.0	12	1	ABT12877	Oligonucleotide pr
c 324	8.4	40.0	12	1	ABT55039	Oligonucleotide pr	c 397	8.4	40.0	12	1	ABT41460	Oligonucleotide pr
325	8.4	40.0	12	1	ABT76723	Oligonucleotide pr	398	8.4	40.0	12	1	ABT53987	Oligonucleotide pr

399	8.4	40.0	12	1	ABI54681	Oligonucleotide pr
c 400	8.4	40.0	12	1	ABI56231	Oligonucleotide pr
401	8.4	40.0	12	1	ABI71711	Oligonucleotide pr
402	8.4	40.0	12	1	ABI73396	Oligonucleotide pr
c 403	8.4	40.0	12	1	ABI18065	Oligonucleotide pr
c 404	8.4	40.0	12	1	ABH74411	Oligonucleotide pr
405	8.4	40.0	12	1	ABH79584	Oligonucleotide pr
c 406	8.4	40.0	12	1	ABH80572	Oligonucleotide pr
c 407	8.4	40.0	12	1	ABI31140	Oligonucleotide pr
c 408	8.4	40.0	12	1	ABI31756	Oligonucleotide pr
c 409	8.4	40.0	12	1	ABI34399	Oligonucleotide pr
410	8.4	40.0	12	1	ABH86899	Oligonucleotide pr
411	8.4	40.0	12	1	ABI12266	Oligonucleotide pr
c 412	8.4	40.0	12	1	ABI62013	Oligonucleotide pr
c 413	8.4	40.0	12	1	ABI64037	Oligonucleotide pr
c 414	8.4	40.0	12	1	ABI81615	Oligonucleotide pr
c 415	8.4	40.0	12	1	ACC83101	K class Cpg ODN se
416	8.4	40.0	12	1	ADH60828	Phosphorylated oli
c 417	8.4	40.0	12	1	ADR43389	Exemplary target s
418	8.4	40.0	13	1	ABC54426	Oligonucleotide SE
c 419	8.4	40.0	13	1	ABC54427	Oligonucleotide SE
c 420	8.4	40.0	13	1	ABC81631	Oligonucleotide SE
421	8.4	40.0	13	1	ABC81630	Oligonucleotide SE
c 422	8.2	39.0	13	1	ABC70429	Oligonucleotide SE
423	8.2	39.0	13	1	ABC70428	Oligonucleotide SE
424	8.2	39.0	13	1	ABH66453	Oligonucleotide SE
c 425	8.2	39.0	13	1	ABH66452	Oligonucleotide SE
c 426	8.2	39.0	13	1	ABF62058	Oligonucleotide SE
427	8.2	39.0	13	1	ABF62059	Oligonucleotide SE
428	8.2	39.0	17	1	ACN08302	WNV minus strand H
c 429	8.2	39.0	17	1	ACN02587	WNV Inozyme substr
430	8.2	39.0	17	1	ACN12825	WNV minus strand Z
c 431	8	38.1	10	1	AAQ29493	Modified silica ge
c 432	8	38.1	10	1	AAZ78062	Human dendritic ce
c 433	8	38.1	10	1	AAZ82569	Metastatic breast
434	8	38.1	10	1	AAZ83679	Metastatic breast
c 435	8	38.1	10	1	AAZ84473	Human dendritic ce
c 436	8	38.1	10	1	AAZ74111	Human monocyte and
c 437	8	38.1	10	1	AAZ74183	Human ubiquitously
c 438	8	38.1	10	1	AAH64120	LPS activated huma
c 439	8	38.1	10	1	AAH32895	Yeast NORF gene SA
c 440	8	38.1	10	1	AAF36681	Yeast NORF gene SA
c 441	8	38.1	10	1	AAF37342	Yeast NORF gene SA
c 442	8	38.1	10	1	AAF34136	Yeast NORF gene SA
443	8	38.1	10	1	AAF42943	Yeast NORF gene SA
c 444	8	38.1	10	1	AAF36083	Yeast NORF gene SA
c 445	8	38.1	10	1	AAF41868	Yeast NORF gene SA
446	8	38.1	10	1	AAF36948	Yeast NORF gene SA
447	8	38.1	10	1	AAF41557	Yeast NORF gene SA
c 448	8	38.1	10	1	ABK47438	Gymnosperm-like co
c 449	8	38.1	10	1	ABL42923	Human maturation/a
c 450	8	38.1	10	1	ABV84622	Human calmodulin 2
c 451	8	38.1	10	1	ABK10142	Gymnosperm-like re
c 452	8	38.1	10	1	ABL36381	Human lysosomal ac
c 453	8	38.1	10	1	ADC39494	Gymnosperm-like re
c 454	8	38.1	11	1	AAQ29219	Sequence of primer
455	8	38.1	11	1	AAQ94230	Toxoplasma interna
456	8	38.1	11	1	AAV00082	Toxoplasma interna
457	8	38.1	11	1	AAA94198	Neospora nss-rRNA
c 458	8	38.1	11	1	ABV69158	Human skin EST 694
459	8	38.1	11	1	ABV69803	Human skin EST 758
460	8	38.1	11	1	ABV62382	Human skin EST 168
c 461	8	38.1	11	1	ABV67526	Human skin EST 531
c 462	8	38.1	11	1	ABV65128	Human skin EST 291
c 463	8	38.1	11	1	ABV66579	Human skin EST 436
c 464	8	38.1	11	1	ABV68331	Human skin EST 611
c 465	8	38.1	11	1	ABK99473	Human CYP3A5 gene
466	8	38.1	11	1	ADQ32859	Human facial skin-
467	7.8	37.1	11	1	ABS56015	Dengue virus type
468	7.8	37.1	13	1	ABH22827	Oligonucleotide SE

ALIGNMENTS

RESULT 1

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: April 4, 2005, 14:51:31 ; Search time 0.001 Seconds  
(without alignments)  
37.550 Million cell updates/sec

Title: us-10-088-666-73

Perfect score: 25

Sequence: 1 tcgagaataattgataatatctag 25

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 0.5

Searched: 62 seqs, 751 residues

Total number of hits satisfying chosen parameters: 124

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 66 summaries

Database : 73issdb:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	12	48.0	16	1	US-09-479-005A-519
2	11.8	47.2	15	1	US-08-311-486C-192
3	11.8	47.2	15	1	US-08-311-486C-200
4	11.8	47.2	15	1	US-08-311-486C-715
5	11.8	47.2	15	1	US-08-311-486C-716
6	11.4	45.6	16	1	US-09-479-005A-520
7	10.8	43.2	15	1	US-08-334-847-105
8	10.8	43.2	15	1	US-08-311-486C-191
9	10.8	43.2	15	1	US-08-311-486C-193
10	10.8	43.2	15	1	US-08-311-486C-199
11	10.8	43.2	15	1	US-08-311-486C-201
12	10.8	43.2	15	1	US-08-311-486C-712
13	10.8	43.2	15	1	US-08-311-486C-713
14	10.8	43.2	15	1	US-08-311-486C-714
15	10.8	43.2	15	1	US-08-311-486C-717
16	10.8	43.2	15	1	US-08-311-486C-721
17	10.8	43.2	15	1	US-08-585-684B-1727
18	10.8	43.2	15	1	US-08-585-684B-1831
19	10.8	43.2	15	1	US-09-038-073-1727
20	10.8	43.2	15	1	US-09-038-073-1831
21	10.8	43.2	15	1	US-09-147-251-5
22	10.4	41.6	13	1	US-09-373-129A-33
23	10.4	41.6	13	1	US-09-373-129A-35
24	9.4	37.6	11	1	US-09-373-129A-21
25	9.4	37.6	11	1	US-09-373-129A-23
26	9	36.0	11	1	US-09-196-523-21
27	9	36.0	11	1	US-09-373-129A-13
28	8.4	33.6	10	1	US-09-839-860-2
29	8.4	33.6	10	1	US-09-373-129A-40
30	8.4	33.6	10	1	US-09-373-129A-42
31	8.4	33.6	10	1	US-09-867-915-17
32	8.4	33.6	10	1	US-09-807-757C-13
33	8.4	33.6	10	1	US-09-807-757C-30

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11	1	US-09-373-129A-18	Sequence 18, Appl
12	1	US-10-142-662-10	Sequence 10, Appl
16	1	US-09-479-005A-519	Sequence 519, Appl
10	1	US-07-872-673B-19	Sequence 19, Appl
11	1	US-09-112-450-9	Sequence 9, Appl
11	1	US-09-419-291A-9	Sequence 9, Appl
11	1	US-10-116-048-9	Sequence 9, Appl
10	1	PCT-US91-03680-77	Sequence 77, Appl
11	1	US-09-373-129A-21	Sequence 21, Appl
11	1	US-09-373-129A-23	Sequence 23, Appl
11	1	US-08-242-664-10	Sequence 10, Appl
11	1	US-08-467-219-3	Sequence 3, Appl
11	1	US-08-484-138-10	Sequence 10, Appl
11	1	US-08-651-472-86	Sequence 86, Appl
11	1	US-08-358-928-86	Sequence 86, Appl
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10	1	US-08-584-760A-42	Sequence 42, Appl
10	1	US-09-839-860-1	Sequence 1, Appl
10	1	US-09-839-860-3	Sequence 3, Appl
10	1	US-09-839-860-5	Sequence 5, Appl
10	1	US-09-475-947A-82	Sequence 82, Appl
10	1	US-09-011-336-69	Sequence 69, Appl
10	1	US-08-894-454-104	Sequence 104, Appl
10	1	US-08-894-454-159	Sequence 159, Appl
10	1	US-10-032-307-45	Sequence 45, Appl

#### ALIGNMENTS

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OM nucleic - nucleic search, using sw model

Run on: April 4, 2005, 14:55:23 ; Search time 2 Seconds  
(without alignments)  
1.039 Million cell updates/sec

Title: us-10-088-666-73

Perfect score: 25

Sequence: 1 tcgagaataattgaataatattag 25

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 0.5

Searched: 3348 seqs, 41550 residues

Total number of hits satisfying chosen parameters: 6696

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 3408 summaries

Database : 73pubdb.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

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1	13.8	55.2	17	1	US-09-927-046-1620
2	12.2	48.8	17	1	US-09-927-046-6
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C 4	12.2	48.8	17	1	US-10-060-756A-4289
5	12	48.0	12	1	US-10-257-017B-331238
C 6	12	48.0	12	1	US-10-257-017B-331146
7	12	48.0	13	1	US-10-257-017B-147133
C 8	12	48.0	13	1	US-10-257-017B-147134
9	12	48.0	17	1	US-10-238-700-1291
C 10	11.6	46.4	13	1	US-10-257-017B-230121
11	11.6	46.4	13	1	US-10-257-017B-230122
C 12	11.4	45.6	13	1	US-10-257-017B-2779
C 13	11.4	45.6	13	1	US-10-257-017B-2780
14	11.4	45.6	13	1	US-10-257-017B-31677
C 15	11.4	45.6	13	1	US-10-257-017B-31678
16	11.4	45.6	13	1	US-10-257-017B-50969
C 17	11.4	45.6	13	1	US-10-257-017B-50970
C 18	11.4	45.6	13	1	US-10-257-017B-50985
C 19	11.4	45.6	13	1	US-10-257-017B-50986
20	11.4	45.6	13	1	US-10-257-017B-69549
C 21	11.4	45.6	13	1	US-10-257-017B-69550
22	11.4	45.6	13	1	US-10-257-017B-78373
C 23	11.4	45.6	13	1	US-10-257-017B-78374
C 24	11.4	45.6	13	1	US-10-257-017B-119187
C 25	11.4	45.6	13	1	US-10-257-017B-119188
26	11.4	45.6	13	1	US-10-257-017B-154207
C 27	11.4	45.6	13	1	US-10-257-017B-154208
C 28	11.4	45.6	13	1	US-10-257-017B-174773
29	11.4	45.6	13	1	US-10-257-017B-174774
C 30	11.4	45.6	13	1	US-10-257-017B-195911
C 31	11.4	45.6	13	1	US-10-257-017B-195912
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13	1	US-10-257-017B-20816	Sequence 20816, A
13	1	US-10-257-017B-20817	Sequence 20817, A
13	1	US-10-257-017B-20818	Sequence 20818, A
13	1	US-10-257-017B-31015	Sequence 31015, A
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15	1	US-10-334-831-10	Sequence 10, Appl
15	1	US-10-440-850-732	Sequence 732, App
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c 107	10.4	41.6	12	1	US-10-257-017B-305256	Sequence 305256,	c 180	10.4	41.6	13	1	US-10-257-017B-147132	Sequence 147132,
c 108	10.4	41.6	12	1	US-10-257-017B-305761	Sequence 305761,	c 181	10.4	41.6	13	1	US-10-257-017B-149785	Sequence 149785,
c 109	10.4	41.6	12	1	US-10-257-017B-307805	Sequence 307805,	c 182	10.4	41.6	13	1	US-10-257-017B-149786	Sequence 149786,
c 110	10.4	41.6	12	1	US-10-257-017B-312316	Sequence 312316,	c 183	10.4	41.6	13	1	US-10-257-017B-151807	Sequence 151807,
c 111	10.4	41.6	12	1	US-10-257-017B-319252	Sequence 319252,	c 184	10.4	41.6	13	1	US-10-257-017B-151808	Sequence 151808,
c 112	10.4	41.6	12	1	US-10-257-017B-321572	Sequence 321572,	c 185	10.4	41.6	13	1	US-10-257-017B-156343	Sequence 156343,
c 113	10.4	41.6	12	1	US-10-257-017B-325749	Sequence 325749,	c 186	10.4	41.6	13	1	US-10-257-017B-156344	Sequence 156344,
c 114	10.4	41.6	12	1	US-10-257-017B-328136	Sequence 328136,	c 187	10.4	41.6	13	1	US-10-257-017B-157655	Sequence 157655,
c 115	10.4	41.6	12	1	US-10-257-017B-337038	Sequence 337038,	c 188	10.4	41.6	13	1	US-10-257-017B-157656	Sequence 157656,
c 116	10.4	41.6	12	1	US-10-257-017B-337681	Sequence 337681,	c 189	10.4	41.6	13	1	US-10-257-017B-164815	Sequence 164815,
c 117	10.4	41.6	12	1	US-10-257-017B-341377	Sequence 341377,	c 190	10.4	41.6	13	1	US-10-257-017B-164816	Sequence 164816,
c 118	10.4	41.6	12	1	US-10-257-017B-344099	Sequence 344099,	c 191	10.4	41.6	13	1	US-10-257-017B-167157	Sequence 167157,
c 119	10.4	41.6	12	1	US-10-257-017B-348378	Sequence 348378,	c 192	10.4	41.6	13	1	US-10-257-017B-167158	Sequence 167158,
c 120	10.4	41.6	12	1	US-10-257-017B-350806	Sequence 350806,	c 193	10.4	41.6	13	1	US-10-257-017B-170645	Sequence 170645,
c 121	10.4	41.6	12	1	US-10-257-017B-352474	Sequence 352474,	c 194	10.4	41.6	13	1	US-10-257-017B-170646	Sequence 170646,
c 122	10.4	41.6	12	1	US-10-257-017B-353127	Sequence 353127,	c 195	10.4	41.6	13	1	US-10-257-017B-171521	Sequence 171521,
c 123	10.4	41.6	12	1	US-10-257-017B-353508	Sequence 353508,	c 196	10.4	41.6	13	1	US-10-257-017B-171522	Sequence 171522,
c 124	10.4	41.6	12	1	US-10-257-017B-356759	Sequence 356759,	c 197	10.4	41.6	13	1	US-10-257-017B-171707	Sequence 171707,
c 125	10.4	41.6	12	1	US-10-257-017B-358125	Sequence 358125,	c 198	10.4	41.6	13	1	US-10-257-017B-171708	Sequence 171708,
c 126	10.4	41.6	12	1	US-10-257-017B-358927	Sequence 358927,	c 199	10.4	41.6	13	1	US-10-257-017B-173499	Sequence 173499,
c 127	10.4	41.6	12	1	US-10-257-017B-361672	Sequence 361672,	c 200	10.4	41.6	13	1	US-10-257-017B-173500	Sequence 173500,
c 128	10.4	41.6	12	1	US-10-257-017B-364961	Sequence 364961,	c 201	10.4	41.6	13	1	US-10-257-017B-187959	Sequence 187959,
c 129	10.4	41.6	12	1	US-10-257-017B-365058	Sequence 365058,	c 202	10.4	41.6	13	1	US-10-257-017B-187960	Sequence 187960,
c 130	10.4	41.6	12	1	US-10-257-017B-366458	Sequence 366458,	c 203	10.4	41.6	13	1	US-10-257-017B-190001	Sequence 190001,
c 131	10.4	41.6	12	1	US-10-257-017B-367258	Sequence 367258,	c 204	10.4	41.6	13	1	US-10-257-017B-190002	Sequence 190002,
c 132	10.4	41.6	12	1	US-10-257-017B-370422	Sequence 370422,	c 205	10.4	41.6	13	1	US-10-257-017B-191845	Sequence 191845,
c 133	10.4	41.6	12	1	US-10-257-017B-377789	Sequence 377789,	c 206	10.4	41.6	13	1	US-10-257-017B-191846	Sequence 191846,
c 134	10.4	41.6	12	1	US-10-257-017B-378776	Sequence 378776,	c 207	10.4	41.6	13	1	US-10-257-017B-194655	Sequence 194655,
c 135	10.4	41.6	12	1	US-10-257-017B-381127	Sequence 381127,	c 208	10.4	41.6	13	1	US-10-257-017B-194656	Sequence 194656,
c 136	10.4	41.6	12	1	US-10-257-017B-381170	Sequence 381170,	c 209	10.4	41.6	13	1	US-10-257-017B-201309	Sequence 201309,
c 137	10.4	41.6	13	1	US-10-360-222-33	Sequence 33, Appl	c 210	10.4	41.6	13	1	US-10-257-017B-201310	Sequence 201310,
c 138	10.4	41.6	13	1	US-10-360-222-35	Sequence 35, Appl	c 211	10.4	41.6	13	1	US-10-257-017B-201653	Sequence 201653,
c 139	10.4	41.6	13	1	US-10-257-017B-3215	Sequence 3215, Ap	c 212	10.4	41.6	13	1	US-10-257-017B-201654	Sequence 201654,
c 140	10.4	41.6	13	1	US-10-257-017B-3216	Sequence 3216, Ap	c 213	10.4	41.6	13	1	US-10-257-017B-206797	Sequence 206797,
c 141	10.4	41.6	13	1	US-10-257-017B-4451	Sequence 4451, Ap	c 214	10.4	41.6	13	1	US-10-257-017B-206798	Sequence 206798,
c 142	10.4	41.6	13	1	US-10-257-017B-4452	Sequence 4452, Ap	c 215	10.4	41.6	13	1	US-10-257-017B-216105	Sequence 216105,
c 143	10.4	41.6	13	1	US-10-257-017B-6203	Sequence 6203, Ap	c 216	10.4	41.6	13	1	US-10-257-017B-216106	Sequence 216106,
c 144	10.4	41.6	13	1	US-10-257-017B-6204	Sequence 6204, Ap	c 217	10.4	41.6	13	1	US-10-257-017B-216583	Sequence 216583,
c 145	10.4	41.6	13	1	US-10-257-017B-12411	Sequence 12411, A	c 218	10.4	41.6	13	1	US-10-257-017B-216584	Sequence 216584,
c 146	10.4	41.6	13	1	US-10-257-017B-12412	Sequence 12412, A	c 219	10.4	41.6	13	1	US-10-257-017B-225105	Sequence 225105,
c 147	10.4	41.6	13	1	US-10-257-017B-20671	Sequence 20671, A	c 220	10.4	41.6	13	1	US-10-257-017B-225106	Sequence 225106,
c 148	10.4	41.6	13	1	US-10-257-017B-20672	Sequence 20672, A	c 221	10.4	41.6	13	1	US-10-257-017B-227979	Sequence 227979,
c 149	10.4	41.6	13	1	US-10-257-017B-32571	Sequence 32571, A	c 222	10.4	41.6	13	1	US-10-257-017B-227980	Sequence 227980,
c 150	10.4	41.6	13	1	US-10-257-017B-32572	Sequence 32572, A	c 223	10.4	41.6	13	1	US-10-257-017B-231119	Sequence 231119,
c 151	10.4	41.6	13	1	US-10-257-017B-47429	Sequence 47429, A	c 224	10.4	41.6	13	1	US-10-257-017B-231120	Sequence 231120,
c 152	10.4	41.6	13	1	US-10-257-017B-47430	Sequence 47430, A	c 225	10.4	41.6	13	1	US-10-257-017B-231779	Sequence 231779,
c 153	10.4	41.6	13	1	US-10-257-017B-48731	Sequence 48731, A	c 226	10.4	41.6	13	1	US-10-257-017B-231780	Sequence 231780,
c 154	10.4	41.6	13	1	US-10-257-017B-48732	Sequence 48732, A	c 227	10.4	41.6	13	1	US-10-257-017B-238995	Sequence 238995,
c 155	10.4	41.6	13	1	US-10-257-017B-48733	Sequence 48733, A	c 228	10.4	41.6	13	1	US-10-257-017B-238996	Sequence 238996,
c 156	10.4	41.6	13	1	US-10-257-017B-48734	Sequence 48734, A	c 229	10.4	41.6	13	1	US-10-257-017B-240309	Sequence 240309,
c 157	10.4	41.6	13	1	US-10-257-017B-55579	Sequence 55579, A	c 230	10.4	41.6	13	1	US-10-257-017B-240310	Sequence 240310,
c 158	10.4	41.6	13	1	US-10-257-017B-55580	Sequence 55580, A	c 231	10.4	41.6	13	1	US-10-257-017B-246603	Sequence 246603,
c 159	10.4	41.6	13	1	US-10-257-017B-59373	Sequence 59373, A	c 232	10.4	41.6	13	1	US-10-257-017B-246604	Sequence 246604,
c 160	10.4	41.6	13	1	US-10-257-017B-59374	Sequence 59374, A	c 233	10.4	41.6	13	1	US-10-257-017B-248531	Sequence 248531,
c 161	10.4	41.6	13	1	US-10-257-017B-63427	Sequence 63427, A	c 234	10.4	41.6	13	1	US-10-257-017B-248532	Sequence 248532,
c 162	10.4	41.6	13	1	US-10-257-017B-63428	Sequence 63428, A	c 235	10.4	41.6	13	1	US-10-257-017B-249319	Sequence 249319,
c 163	10.4	41.6	13	1	US-10-257-017B-95889	Sequence 95889, A	c 236	10.4	41.6	13	1	US-10-257-017B-249320	Sequence 249320,
c 164	10.4	41.6	13	1	US-10-257-017B-95890	Sequence 95890, A	c 237	10.4	41.6	13	1	US-10-257-017B-253055	Sequence 253055,
c 165	10.4	41.6	13	1	US-10-257-017B-102523	Sequence 102523,	c 238	10.4	41.6	13	1	US-10-257-017B-253056	Sequence 253056,
c 166	10.4	41.6	13	1	US-10-257-017B-102524	Sequence 102524,	c 239	10.4	41.6	13	1	US-10-257-017B-253985	Sequence 253985,
c 167	10.4	41.6	13	1	US-10-257-017B-125029	Sequence 125029,	c 240	10.4	41.6	13	1	US-10-257-017B-253986	Sequence 253986,
c 168	10.4	41.6	13	1	US-10-257-017B-125030	Sequence 125030,	c 241	10.4	41.6	13	1	US-10-257-017B-255191	Sequence 255191,
c 169	10.4	41.6	13	1	US-10-257-017B-131701	Sequence 131701,	c 242	10.4	41.6	13	1	US-10-257-017B-255192	Sequence 255192,
c 170	10.4	41.6	13	1	US-10-257-017B-131702	Sequence 131702,	c 243	10.4	41.6	13	1	US-10-257-017B-255789	Sequence 255789,
c 171	10.4	41.6	13	1	US-10-257-017B-137285	Sequence 137285,	c 244	10.4	41.6	13	1	US-10-257-017B-255790	Sequence 255790,
c 172	10.4	41.6	13	1	US-10-257-017B-137286	Sequence 137286,	c 245	10.4	41.6	13	1	US-10-257-017B-256537	Sequence 256537,
c 173	10.4	41.6	13	1	US-10-257-017B-138341	Sequence 138341,	c 246	10.4	41.6	13	1	US-10-257-017B-256538	Sequence 256538,
c 174	10.4	41.6	13	1	US-10-257-017B-138342	Sequence 138342,	c 247	10.4	41.6	13	1	US-10-257-017B-262115	Sequence 262115,
c 175	10.4	41.6	13	1	US-10-257-017B-141095	Sequence 141095,	c 248	10.4	41.6	13	1	US-10-257-017B-262116	Sequence 262116,
c 176	10.4	41.6	13	1	US-10-257-017B-141096	Sequence 141096,	c 249	10	40.0	12	1	US-10-661-165-338	Sequence 338, App
c 177	10.4	41.6	13	1	US-10-257-017B-142567	Sequence 142567,	c 250	10	40.0	12	1	US-10-257-017B-269093	Sequence 269093,
c 178	10.4	41.6	13	1	US-10-257-017B-142568	Sequence 142568,	c 251	10	40.0	12	1	US-10-257-017B-269419	Sequence 269419,
c 179	10.4	41.6	13	1	US-10-257-017B-147131	Sequence 147131,	c 252	10	40.0	12	1	US-10-257-017B-271396	Sequence 271396,



c 253	10	40.0	12	1	US-10-257-017B-274358	Sequence 274358,	c 326	10	40.0	13	1	US-10-257-017B-41585	Sequence 41585, A
254	10	40.0	12	1	US-10-257-017B-278008	Sequence 278008,	327	10	40.0	13	1	US-10-257-017B-41586	Sequence 41586, A
255	10	40.0	12	1	US-10-257-017B-284669	Sequence 284669,	328	10	40.0	13	1	US-10-257-017B-43277	Sequence 43277, A
c 256	10	40.0	12	1	US-10-257-017B-290060	Sequence 290060,	c 329	10	40.0	13	1	US-10-257-017B-43278	Sequence 43278, A
257	10	40.0	12	1	US-10-257-017B-232407	Sequence 292407,	c 330	10	40.0	13	1	US-10-257-017B-55599	Sequence 55599, A
258	10	40.0	12	1	US-10-257-017B-296104	Sequence 296104,	331	10	40.0	13	1	US-10-257-017B-55600	Sequence 55600, A
c 259	10	40.0	12	1	US-10-257-017B-297484	Sequence 297484,	c 332	10	40.0	13	1	US-10-257-017B-57155	Sequence 57155, A
c 260	10	40.0	12	1	US-10-257-017B-308669	Sequence 308669,	c 333	10	40.0	13	1	US-10-257-017B-57156	Sequence 57156, A
261	10	40.0	12	1	US-10-257-017B-313408	Sequence 313408,	c 334	10	40.0	13	1	US-10-257-017B-57471	Sequence 57471, A
262	10	40.0	12	1	US-10-257-017B-315197	Sequence 315197,	c 335	10	40.0	13	1	US-10-257-017B-57472	Sequence 57472, A
263	10	40.0	12	1	US-10-257-017B-324726	Sequence 324726,	c 336	10	40.0	13	1	US-10-257-017B-63799	Sequence 63799, A
c 264	10	40.0	12	1	US-10-257-017B-328140	Sequence 328140,	c 337	10	40.0	13	1	US-10-257-017B-63800	Sequence 63800, A
c 265	10	40.0	12	1	US-10-257-017B-329377	Sequence 329377,	c 338	10	40.0	13	1	US-10-257-017B-64387	Sequence 64387, A
266	10	40.0	12	1	US-10-257-017B-329812	Sequence 329812,	c 339	10	40.0	13	1	US-10-257-017B-64388	Sequence 64388, A
267	10	40.0	12	1	US-10-257-017B-331882	Sequence 331882,	c 340	10	40.0	13	1	US-10-257-017B-70191	Sequence 70191, A
268	10	40.0	12	1	US-10-257-017B-332094	Sequence 332094,	c 341	10	40.0	13	1	US-10-257-017B-70192	Sequence 70192, A
269	10	40.0	12	1	US-10-257-017B-332675	Sequence 332675,	c 342	10	40.0	13	1	US-10-257-017B-71273	Sequence 71273, A
270	10	40.0	12	1	US-10-257-017B-335672	Sequence 335672,	c 343	10	40.0	13	1	US-10-257-017B-71274	Sequence 71274, A
c 271	10	40.0	12	1	US-10-257-017B-338838	Sequence 338838,	c 344	10	40.0	13	1	US-10-257-017B-75215	Sequence 75215, A
272	10	40.0	12	1	US-10-257-017B-340553	Sequence 340553,	c 345	10	40.0	13	1	US-10-257-017B-75216	Sequence 75216, A
c 273	10	40.0	12	1	US-10-257-017B-340823	Sequence 340823,	c 346	10	40.0	13	1	US-10-257-017B-76817	Sequence 76817, A
c 274	10	40.0	12	1	US-10-257-017B-340836	Sequence 340836,	c 347	10	40.0	13	1	US-10-257-017B-76818	Sequence 76818, A
275	10	40.0	12	1	US-10-257-017B-341100	Sequence 341100,	c 348	10	40.0	13	1	US-10-257-017B-77953	Sequence 77953, A
c 276	10	40.0	12	1	US-10-257-017B-346642	Sequence 346642,	c 349	10	40.0	13	1	US-10-257-017B-77954	Sequence 77954, A
277	10	40.0	12	1	US-10-257-017B-347204	Sequence 347204,	c 350	10	40.0	13	1	US-10-257-017B-78067	Sequence 78067, A
278	10	40.0	12	1	US-10-257-017B-349371	Sequence 349371,	c 351	10	40.0	13	1	US-10-257-017B-78068	Sequence 78068, A
279	10	40.0	12	1	US-10-257-017B-351205	Sequence 351205,	c 352	10	40.0	13	1	US-10-257-017B-86941	Sequence 86941, A
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281	10	40.0	12	1	US-10-257-017B-355434	Sequence 355434,	c 354	10	40.0	13	1	US-10-257-017B-89725	Sequence 89725, A
c 282	10	40.0	12	1	US-10-257-017B-357864	Sequence 357864,	c 355	10	40.0	13	1	US-10-257-017B-89726	Sequence 89726, A
283	10	40.0	12	1	US-10-257-017B-362488	Sequence 362488,	c 356	10	40.0	13	1	US-10-257-017B-90689	Sequence 90689, A
c 284	10	40.0	12	1	US-10-257-017B-363420	Sequence 363420,	c 357	10	40.0	13	1	US-10-257-017B-90690	Sequence 90690, A
285	10	40.0	12	1	US-10-257-017B-365417	Sequence 365417,	c 358	10	40.0	13	1	US-10-257-017B-98827	Sequence 98827, A
c 286	10	40.0	12	1	US-10-257-017B-368687	Sequence 368687,	c 359	10	40.0	13	1	US-10-257-017B-98828	Sequence 98828, A
c 287	10	40.0	12	1	US-10-257-017B-368946	Sequence 368946,	c 360	10	40.0	13	1	US-10-257-017B-101087	Sequence 101087, A
288	10	40.0	12	1	US-10-257-017B-370915	Sequence 370915,	c 361	10	40.0	13	1	US-10-257-017B-101088	Sequence 101088, A
c 289	10	40.0	12	1	US-10-257-017B-376724	Sequence 376724,	c 362	10	40.0	13	1	US-10-257-017B-102171	Sequence 102171, A
c 290	10	40.0	12	1	US-10-257-017B-377951	Sequence 377951,	c 363	10	40.0	13	1	US-10-257-017B-102172	Sequence 102172, A
291	10	40.0	12	1	US-10-257-017B-380061	Sequence 380061,	c 364	10	40.0	13	1	US-10-257-017B-106827	Sequence 106827, A
292	10	40.0	13	1	US-10-257-017B-165	Sequence 165, App	c 365	10	40.0	13	1	US-10-257-017B-106828	Sequence 106828, A
c 293	10	40.0	13	1	US-10-257-017B-166	Sequence 166, App	c 366	10	40.0	13	1	US-10-257-017B-108867	Sequence 108867, A
294	10	40.0	13	1	US-10-257-017B-1751	Sequence 1751, App	c 367	10	40.0	13	1	US-10-257-017B-108868	Sequence 108868, A
c 295	10	40.0	13	1	US-10-257-017B-1752	Sequence 1752, App	c 368	10	40.0	13	1	US-10-257-017B-126819	Sequence 126819, A
c 296	10	40.0	13	1	US-10-257-017B-1791	Sequence 1791, App	c 369	10	40.0	13	1	US-10-257-017B-126820	Sequence 126820, A
297	10	40.0	13	1	US-10-257-017B-1792	Sequence 1792, App	c 370	10	40.0	13	1	US-10-257-017B-129595	Sequence 129595, A
298	10	40.0	13	1	US-10-257-017B-2773	Sequence 2773, App	c 371	10	40.0	13	1	US-10-257-017B-129596	Sequence 129596, A
c 299	10	40.0	13	1	US-10-257-017B-2774	Sequence 2774, App	c 372	10	40.0	13	1	US-10-257-017B-138865	Sequence 138865, A
300	10	40.0	13	1	US-10-257-017B-5051	Sequence 5051, App	c 373	10	40.0	13	1	US-10-257-017B-138866	Sequence 138866, A
c 301	10	40.0	13	1	US-10-257-017B-5052	Sequence 5052, App	c 374	10	40.0	13	1	US-10-257-017B-139423	Sequence 139423, A
302	10	40.0	13	1	US-10-257-017B-6663	Sequence 6663, App	c 375	10	40.0	13	1	US-10-257-017B-139424	Sequence 139424, A
c 303	10	40.0	13	1	US-10-257-017B-6664	Sequence 6664, App	c 376	10	40.0	13	1	US-10-257-017B-143833	Sequence 143833, A
c 304	10	40.0	13	1	US-10-257-017B-12853	Sequence 12853, A	c 377	10	40.0	13	1	US-10-257-017B-143834	Sequence 143834, A
305	10	40.0	13	1	US-10-257-017B-12854	Sequence 12854, A	c 378	10	40.0	13	1	US-10-257-017B-144384	Sequence 144384, A
c 306	10	40.0	13	1	US-10-257-017B-14655	Sequence 14655, A	c 379	10	40.0	13	1	US-10-257-017B-144384	Sequence 144384, A
c 307	10	40.0	13	1	US-10-257-017B-14656	Sequence 14656, A	c 380	10	40.0	13	1	US-10-257-017B-146983	Sequence 146983, A
308	10	40.0	13	1	US-10-257-017B-16991	Sequence 16991, A	c 381	10	40.0	13	1	US-10-257-017B-146984	Sequence 146984, A
c 309	10	40.0	13	1	US-10-257-017B-16992	Sequence 16992, A	c 382	10	40.0	13	1	US-10-257-017B-151259	Sequence 151259, A
c 310	10	40.0	13	1	US-10-257-017B-20545	Sequence 20545, A	c 383	10	40.0	13	1	US-10-257-017B-151260	Sequence 151260, A
311	10	40.0	13	1	US-10-257-017B-20546	Sequence 20546, A	c 384	10	40.0	13	1	US-10-257-017B-155159	Sequence 155159, A
c 312	10	40.0	13	1	US-10-257-017B-26527	Sequence 26527, A	c 385	10	40.0	13	1	US-10-257-017B-155160	Sequence 155160, A
313	10	40.0	13	1	US-10-257-017B-26528	Sequence 26528, A	c 386	10	40.0	13	1	US-10-257-017B-165379	Sequence 165379, A
c 314	10	40.0	13	1	US-10-257-017B-27159	Sequence 27159, A	c 387	10	40.0	13	1	US-10-257-017B-165380	Sequence 165380, A
315	10	40.0	13	1	US-10-257-017B-27160	Sequence 27160, A	c 388	10	40.0	13	1	US-10-257-017B-166479	Sequence 166479, A
c 316	10	40.0	13	1	US-10-257-017B-27173	Sequence 27173, A	c 389	10	40.0	13	1	US-10-257-017B-166480	Sequence 166480, A
317	10	40.0	13	1	US-10-257-017B-27174	Sequence 27174, A	c 390	10	40.0	13	1	US-10-257-017B-168221	Sequence 168221, A
c 318	10	40.0	13	1	US-10-257-017B-31657	Sequence 31657, A	c 391	10	40.0	13	1	US-10-257-017B-168222	Sequence 168222, A
319	10	40.0	13	1	US-10-257-017B-31658	Sequence 31658, A	c 392	10	40.0	13	1	US-10-257-017B-170735	Sequence 170735, A
320	10	40.0	13	1	US-10-257-017B-34529	Sequence 34529, A	c 393	10	40.0	13	1	US-10-257-017B-170736	Sequence 170736, A
c 321	10	40.0	13	1	US-10-257-017B-34530	Sequence 34530, A	c 394	10	40.0	13	1	US-10-257-017B-172189	Sequence 172189, A
c 322	10	40.0	13	1	US-10-257-017B-34851	Sequence 34851, A	c 395	10	40.0	13	1	US-10-257-017B-172190	Sequence 172190, A
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c 324	10	40.0	13	1	US-10-257-017B-35141	Sequence 35141, A	c 397	10	40.0	13	1	US-10-257-017B-185114	Sequence 185114, A
325	10	40.0	13	1	US-10-257-017B-35142	Sequence 35142, A	c 398	10	40.0	13	1	US-10-257-017B-188149	Sequence 188149, A





691	9.8	39.2	13	1	US-10-257-017B-203639	Sequence 203639,	C 764	9.8	39.2	13	1	US-10-257-017B-248916	Sequence 248916,
692	9.8	39.2	13	1	US-10-257-017B-203640	Sequence 203640,	C 765	9.8	39.2	13	1	US-10-257-017B-249315	Sequence 249315,
693	9.8	39.2	13	1	US-10-257-017B-203641	Sequence 203641,	C 766	9.8	39.2	13	1	US-10-257-017B-249316	Sequence 249316,
694	9.8	39.2	13	1	US-10-257-017B-203642	Sequence 203642,	C 767	9.8	39.2	13	1	US-10-257-017B-250227	Sequence 250227,
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696	9.8	39.2	13	1	US-10-257-017B-207810	Sequence 207810,	C 769	9.8	39.2	13	1	US-10-257-017B-253441	Sequence 253441,
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702	9.8	39.2	13	1	US-10-257-017B-216884	Sequence 216884,	C 775	9.8	39.2	13	1	US-10-257-017B-256931	Sequence 256931,
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708	9.8	39.2	13	1	US-10-257-017B-220376	Sequence 220376,	C 781	9.8	39.2	13	1	US-10-257-017B-259885	Sequence 259885,
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710	9.8	39.2	13	1	US-10-257-017B-221018	Sequence 221018,	C 783	9.8	39.2	13	1	US-10-257-017B-260149	Sequence 260149,
711	9.8	39.2	13	1	US-10-257-017B-222047	Sequence 222047,	C 784	9.8	39.2	13	1	US-10-257-017B-260150	Sequence 260150,
712	9.8	39.2	13	1	US-10-257-017B-222048	Sequence 222048,	C 785	9.8	39.2	13	1	US-10-257-017B-262859	Sequence 262859,
713	9.8	39.2	13	1	US-10-257-017B-224301	Sequence 224301,	C 786	9.8	39.2	13	1	US-10-257-017B-262860	Sequence 262860,
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715	9.8	39.2	13	1	US-10-257-017B-224379	Sequence 224379,	C 788	9.8	39.2	13	1	US-10-257-017B-263526	Sequence 263526,
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721	9.8	39.2	13	1	US-10-257-017B-226059	Sequence 226059,	C 794	9.8	39.2	14	1	US-10-376-770-122	Sequence 122, App
722	9.8	39.2	13	1	US-10-257-017B-226060	Sequence 226060,	C 795	9.8	39.2	14	1	US-10-661-165-122	Sequence 122, App
723	9.8	39.2	13	1	US-10-257-017B-228271	Sequence 228271,	C 796	9.6	38.4	13	1	US-10-661-165-122	Sequence 29719, A
724	9.8	39.2	13	1	US-10-257-017B-228272	Sequence 228272,	C 797	9.6	38.4	13	1	US-10-257-017B-29719	Sequence 29719, A
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726	9.8	39.2	13	1	US-10-257-017B-229656	Sequence 229656,	C 799	9.6	38.4	13	1	US-10-257-017B-146321	Sequence 146321,
727	9.8	39.2	13	1	US-10-257-017B-229667	Sequence 229667,	C 800	9.6	38.4	13	1	US-10-257-017B-146322	Sequence 146322,
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729	9.8	39.2	13	1	US-10-257-017B-231001	Sequence 231001,	C 802	9.6	38.4	13	1	US-10-257-017B-157356	Sequence 157356,
730	9.8	39.2	13	1	US-10-257-017B-231002	Sequence 231002,	C 803	9.6	38.4	13	1	US-10-257-017B-157357	Sequence 157357,
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732	9.8	39.2	13	1	US-10-257-017B-231940	Sequence 231940,	C 805	9.6	38.4	13	1	US-10-257-017B-163004	Sequence 163004,
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736	9.8	39.2	13	1	US-10-257-017B-232598	Sequence 232598,	C 809	9.4	37.6	11	1	US-10-480-343-100	Sequence 23, Appl
737	9.8	39.2	13	1	US-10-257-017B-233677	Sequence 233677,	C 810	9.4	37.6	12	1	US-10-661-165-321	Sequence 100, App
738	9.8	39.2	13	1	US-10-257-017B-233678	Sequence 233678,	C 811	9.4	37.6	12	1	US-10-661-165-321	Sequence 321, App
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751	9.8	39.2	13	1	US-10-257-017B-242194	Sequence 242194,	C 824	9.4	37.6	12	1	US-10-257-017B-272845	Sequence 272845,
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756	9.8	39.2	13	1	US-10-257-017B-242140	Sequence 242140,	C 829	9.4	37.6	12	1	US-10-257-017B-274701	Sequence 274701,
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763	9.8	39.2	13	1	US-10-257-017B-248915	Sequence 248915,	C 836	9.4	37.6	12	1	US-10-257-017B-277259	Sequence 277259,

C 837	9.4	37.6	12	1	US-10-257-017B-278783	Sequence 278783,	910	9.4	37.6	12	1	US-10-257-017B-318140	Sequence 318140,
C 838	9.4	37.6	12	1	US-10-257-017B-278879	Sequence 278879	C 911	9.4	37.6	12	1	US-10-257-017B-318735	Sequence 318735,
C 839	9.4	37.6	12	1	US-10-257-017B-279667	Sequence 279667	C 912	9.4	37.6	12	1	US-10-257-017B-319319	Sequence 319319,
C 840	9.4	37.6	12	1	US-10-257-017B-279982	Sequence 279982	C 913	9.4	37.6	12	1	US-10-257-017B-319409	Sequence 319409,
C 841	9.4	37.6	12	1	US-10-257-017B-280076	Sequence 280076	C 914	9.4	37.6	12	1	US-10-257-017B-319929	Sequence 319929,
C 842	9.4	37.6	12	1	US-10-257-017B-280755	Sequence 280755	C 915	9.4	37.6	12	1	US-10-257-017B-320934	Sequence 320934,
C 843	9.4	37.6	12	1	US-10-257-017B-280761	Sequence 280761	C 916	9.4	37.6	12	1	US-10-257-017B-321041	Sequence 321041,
C 844	9.4	37.6	12	1	US-10-257-017B-280806	Sequence 280806	C 917	9.4	37.6	12	1	US-10-257-017B-322251	Sequence 322251,
C 845	9.4	37.6	12	1	US-10-257-017B-282139	Sequence 282139	C 918	9.4	37.6	12	1	US-10-257-017B-323481	Sequence 323481,
C 846	9.4	37.6	12	1	US-10-257-017B-282139	Sequence 282139	C 919	9.4	37.6	12	1	US-10-257-017B-324007	Sequence 324007,
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C 849	9.4	37.6	12	1	US-10-257-017B-283642	Sequence 283642	C 922	9.4	37.6	12	1	US-10-257-017B-325172	Sequence 325172,
C 850	9.4	37.6	12	1	US-10-257-017B-283644	Sequence 283644	C 923	9.4	37.6	12	1	US-10-257-017B-325184	Sequence 325184,
C 851	9.4	37.6	12	1	US-10-257-017B-284104	Sequence 284104	C 924	9.4	37.6	12	1	US-10-257-017B-326904	Sequence 326904,
C 852	9.4	37.6	12	1	US-10-257-017B-284127	Sequence 284127	C 925	9.4	37.6	12	1	US-10-257-017B-327282	Sequence 327282,
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C 855	9.4	37.6	12	1	US-10-257-017B-284905	Sequence 284905	C 928	9.4	37.6	12	1	US-10-257-017B-327616	Sequence 327616,
C 856	9.4	37.6	12	1	US-10-257-017B-285477	Sequence 285477	C 929	9.4	37.6	12	1	US-10-257-017B-328359	Sequence 328359,
C 857	9.4	37.6	12	1	US-10-257-017B-285966	Sequence 285966	C 930	9.4	37.6	12	1	US-10-257-017B-329037	Sequence 329037,
C 858	9.4	37.6	12	1	US-10-257-017B-286095	Sequence 286095	C 931	9.4	37.6	12	1	US-10-257-017B-330048	Sequence 330048,
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C 860	9.4	37.6	12	1	US-10-257-017B-286222	Sequence 286222	C 933	9.4	37.6	12	1	US-10-257-017B-331121	Sequence 331121,
C 861	9.4	37.6	12	1	US-10-257-017B-286741	Sequence 286741	C 934	9.4	37.6	12	1	US-10-257-017B-332080	Sequence 332080,
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C 868	9.4	37.6	12	1	US-10-257-017B-291237	Sequence 291237	C 941	9.4	37.6	12	1	US-10-257-017B-334323	Sequence 334323,
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C 875	9.4	37.6	12	1	US-10-257-017B-299810	Sequence 299810	C 948	9.4	37.6	12	1	US-10-257-017B-336512	Sequence 336512,
C 876	9.4	37.6	12	1	US-10-257-017B-299857	Sequence 299857	C 949	9.4	37.6	12	1	US-10-257-017B-336709	Sequence 336709,
C 877	9.4	37.6	12	1	US-10-257-017B-300798	Sequence 300798	C 950	9.4	37.6	12	1	US-10-257-017B-336737	Sequence 336737,
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c1275	9.4	37.6	13	1	US-10-257-017B-73019	A	Sequence 73019, A	c1348	9.4	37.6	13	1	US-10-257-017B-106244	Sequence 106244,
c1276	9.4	37.6	13	1	US-10-257-017B-73020	A	Sequence 73020, A	1349	9.4	37.6	13	1	US-10-257-017B-109315	Sequence 109315,
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c1278	9.4	37.6	13	1	US-10-257-017B-74030	A	Sequence 74030, A	c1351	9.4	37.6	13	1	US-10-257-017B-111141	Sequence 111141,
c1279	9.4	37.6	13	1	US-10-257-017B-75165	A	Sequence 75165, A	1352	9.4	37.6	13	1	US-10-257-017B-111142	Sequence 111142,
c1280	9.4	37.6	13	1	US-10-257-017B-75166	A	Sequence 75166, A	1353	9.4	37.6	13	1	US-10-257-017B-111171	Sequence 111171,
c1281	9.4	37.6	13	1	US-10-257-017B-75167	A	Sequence 75167, A	c1354	9.4	37.6	13	1	US-10-257-017B-111718	Sequence 111718,
c1282	9.4	37.6	13	1	US-10-257-017B-75168	A	Sequence 75168, A	c1355	9.4	37.6	13	1	US-10-257-017B-114475	Sequence 114475,
c1283	9.4	37.6	13	1	US-10-257-017B-75475	A	Sequence 75475, A	1356	9.4	37.6	13	1	US-10-257-017B-114476	Sequence 114476,
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c1285	9.4	37.6	13	1	US-10-257-017B-78153	A	Sequence 78153, A	1358	9.4	37.6	13	1	US-10-257-017B-114592	Sequence 114592,
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c1287	9.4	37.6	13	1	US-10-257-017B-79197	A	Sequence 79197, A	1360	9.4	37.6	13	1	US-10-257-017B-115606	Sequence 115606,
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c1301	9.4	37.6	13	1	US-10-257-017B-81274	A	Sequence 81274, A	c1369	9.4	37.6	13	1	US-10-257-017B-116805	Sequence 116805,
c1302	9.4	37.6	13	1	US-10-257-017B-81274	A	Sequence 81274, A	1370	9.4	37.6	13	1	US-10-257-017B-116806	Sequence 116806,
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c1308	9.4	37.6	13	1	US-10-257-017B-83784	A	Sequence 83784, A	1376	9.4	37.6	13	1	US-10-257-017B-121432	Sequence 121432,
c1309	9.4	37.6	13	1	US-10-257-017B-84047	A	Sequence 84047, A	c1377	9.4	37.6	13	1	US-10-257-017B-121555	Sequence 121555,
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c1311	9.4	37.6	13	1	US-10-257-017B-84069	A	Sequence 84069, A	c1379	9.4	37.6	13	1	US-10-257-017B-121865	Sequence 121865,
c1312	9.4	37.6	13	1	US-10-257-017B-84070	A	Sequence 84070, A	1380	9.4	37.6	13	1	US-10-257-017B-121866	Sequence 121866,
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c1322	9.4	37.6	13	1	US-10-257-017B-86306	A	Sequence 86306, A	1390	9.4	37.6	13	1	US-10-257-017B-124138	Sequence 124138,
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c1324	9.4	37.6	13	1	US-10-257-017B-86602	A	Sequence 86602, A	1392	9.4	37.6	13	1	US-10-257-017B-125046	Sequence 125046,
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c1326	9.4	37.6	13	1	US-10-257-017B-87552	A	Sequence 87552, A	1394	9.4	37.6	13	1	US-10-257-017B-125666	Sequence 125666,
c1327	9.4	37.6	13	1	US-10-257-017B-87875	A	Sequence 87875, A	c1395	9.4	37.6	13	1	US-10-257-017B-125667	Sequence 125667,
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c1343	9.4	37.6	13	1	US-10-257-017B-98879	A	Sequence 98879, A	c1411	9.4	37.6	13	1	US-10-257-017B-134005	Sequence 134005,
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c1435	9.4	37.6	13	1	US-10-257-017B-145141	Sequence 145141,	1508	9.4	37.6	13	1	US-10-257-017B-181756	Sequence 181756,
c1436	9.4	37.6	13	1	US-10-257-017B-145142	Sequence 145142,	c1509	9.4	37.6	13	1	US-10-257-017B-182145	Sequence 182145,
c1437	9.4	37.6	13	1	US-10-257-017B-145523	Sequence 145523,	1510	9.4	37.6	13	1	US-10-257-017B-182146	Sequence 182146,
c1438	9.4	37.6	13	1	US-10-257-017B-146524	Sequence 146524,	c1511	9.4	37.6	13	1	US-10-257-017B-183251	Sequence 183251,
c1439	9.4	37.6	13	1	US-10-257-017B-146524	Sequence 146524,	1512	9.4	37.6	13	1	US-10-257-017B-183252	Sequence 183252,
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c1446	9.4	37.6	13	1	US-10-257-017B-149564	Sequence 149564,	1519	9.4	37.6	13	1	US-10-257-017B-184825	Sequence 184825,
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c1448	9.4	37.6	13	1	US-10-257-017B-149964	Sequence 149964,	c1521	9.4	37.6	13	1	US-10-257-017B-184981	Sequence 184981,
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c1450	9.4	37.6	13	1	US-10-257-017B-155492	Sequence 155492,	c1523	9.4	37.6	13	1	US-10-257-017B-185339	Sequence 185339,
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c1452	9.4	37.6	13	1	US-10-257-017B-156186	Sequence 156186,	c1525	9.4	37.6	13	1	US-10-257-017B-187119	Sequence 187119,
c1453	9.4	37.6	13	1	US-10-257-017B-157001	Sequence 157001,	1526	9.4	37.6	13	1	US-10-257-017B-187120	Sequence 187120,
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c1455	9.4	37.6	13	1	US-10-257-017B-159225	Sequence 159225,	1528	9.4	37.6	13	1	US-10-257-017B-187122	Sequence 187122,
c1456	9.4	37.6	13	1	US-10-257-017B-159226	Sequence 159226,	1529	9.4	37.6	13	1	US-10-257-017B-190295	Sequence 190295,
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c1458	9.4	37.6	13	1	US-10-257-017B-161910	Sequence 161910,	1531	9.4	37.6	13	1	US-10-257-017B-190739	Sequence 190739,
c1459	9.4	37.6	13	1	US-10-257-017B-162149	Sequence 162149,	c1532	9.4	37.6	13	1	US-10-257-017B-190740	Sequence 190740,
c1460	9.4	37.6	13	1	US-10-257-017B-162150	Sequence 162150,	1533	9.4	37.6	13	1	US-10-257-017B-192795	Sequence 192795,
c1461	9.4	37.6	13	1	US-10-257-017B-162529	Sequence 162529,	c1534	9.4	37.6	13	1	US-10-257-017B-192796	Sequence 192796,
c1462	9.4	37.6	13	1	US-10-257-017B-162530	Sequence 162530,	1535	9.4	37.6	13	1	US-10-257-017B-192839	Sequence 192839,
c1463	9.4	37.6	13	1	US-10-257-017B-162530	Sequence 162530,	c1536	9.4	37.6	13	1	US-10-257-017B-192840	Sequence 192840,
c1464	9.4	37.6	13	1	US-10-257-017B-164230	Sequence 164230,	1537	9.4	37.6	13	1	US-10-257-017B-194825	Sequence 194825,
c1465	9.4	37.6	13	1	US-10-257-017B-166075	Sequence 166075,	c1538	9.4	37.6	13	1	US-10-257-017B-194826	Sequence 194826,
c1466	9.4	37.6	13	1	US-10-257-017B-166076	Sequence 166076,	c1539	9.4	37.6	13	1	US-10-257-017B-195541	Sequence 195541,
c1467	9.4	37.6	13	1	US-10-257-017B-166113	Sequence 166113,	1540	9.4	37.6	13	1	US-10-257-017B-195542	Sequence 195542,
c1468	9.4	37.6	13	1	US-10-257-017B-166114	Sequence 166114,	1541	9.4	37.6	13	1	US-10-257-017B-196275	Sequence 196275,
c1469	9.4	37.6	13	1	US-10-257-017B-166825	Sequence 166825,	c1542	9.4	37.6	13	1	US-10-257-017B-196276	Sequence 196276,
c1470	9.4	37.6	13	1	US-10-257-017B-168826	Sequence 168826,	1543	9.4	37.6	13	1	US-10-257-017B-196629	Sequence 196629,
c1471	9.4	37.6	13	1	US-10-257-017B-170309	Sequence 170309,	c1544	9.4	37.6	13	1	US-10-257-017B-196630	Sequence 196630,
c1472	9.4	37.6	13	1	US-10-257-017B-170310	Sequence 170310,	1545	9.4	37.6	13	1	US-10-257-017B-197123	Sequence 197123,
c1473	9.4	37.6	13	1	US-10-257-017B-170579	Sequence 170579,	c1546	9.4	37.6	13	1	US-10-257-017B-197124	Sequence 197124,
c1474	9.4	37.6	13	1	US-10-257-017B-170580	Sequence 170580,	c1547	9.4	37.6	13	1	US-10-257-017B-200303	Sequence 200303,
c1475	9.4	37.6	13	1	US-10-257-017B-171191	Sequence 171191,	1548	9.4	37.6	13	1	US-10-257-017B-200304	Sequence 200304,
c1476	9.4	37.6	13	1	US-10-257-017B-171192	Sequence 171192,	1549	9.4	37.6	13	1	US-10-257-017B-200559	Sequence 200559,
c1477	9.4	37.6	13	1	US-10-257-017B-173961	Sequence 173961,	c1550	9.4	37.6	13	1	US-10-257-017B-200560	Sequence 200560,
c1478	9.4	37.6	13	1	US-10-257-017B-173962	Sequence 173962,	c1551	9.4	37.6	13	1	US-10-257-017B-200751	Sequence 200751,
c1479	9.4	37.6	13	1	US-10-257-017B-174395	Sequence 174395,	1552	9.4	37.6	13	1	US-10-257-017B-200752	Sequence 200752,
c1480	9.4	37.6	13	1	US-10-257-017B-174396	Sequence 174396,	1553	9.4	37.6	13	1	US-10-257-017B-201063	Sequence 201063,
c1481	9.4	37.6	13	1	US-10-257-017B-175087	Sequence 175087,	c1554	9.4	37.6	13	1	US-10-257-017B-201064	Sequence 201064,
c1482	9.4	37.6	13	1	US-10-257-017B-175088	Sequence 175088,	c1555	9.4	37.6	13	1	US-10-257-017B-201265	Sequence 201265,
c1483	9.4	37.6	13	1	US-10-257-017B-175123	Sequence 175123,	1556	9.4	37.6	13	1	US-10-257-017B-201266	Sequence 201266,
c1484	9.4	37.6	13	1	US-10-257-017B-175124	Sequence 175124,	1557	9.4	37.6	13	1	US-10-257-017B-201313	Sequence 201313,
c1485	9.4	37.6	13	1	US-10-257-017B-175231	Sequence 175231,	c1558	9.4	37.6	13	1	US-10-257-017B-201314	Sequence 201314,
c1486	9.4	37.6	13	1	US-10-257-017B-175292	Sequence 175292,	1559	9.4	37.6	13	1	US-10-257-017B-201755	Sequence 201755,
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c1489	9.4	37.6	13	1	US-10-257-017B-175847	Sequence 175847,	c1562	9.4	37.6	13	1	US-10-257-017B-202270	Sequence 202270,
c1490	9.4	37.6	13	1	US-10-257-017B-175848	Sequence 175848,	1563	9.4	37.6	13	1	US-10-257-017B-202271	Sequence 202271,
c1491	9.4	37.6	13	1	US-10-257-017B-176729	Sequence 176729,	c1564	9.4	37.6	13	1	US-10-257-017B-202272	Sequence 202272,
c1492	9.4	37.6	13	1	US-10-257-017B-176730	Sequence 176730,	1565	9.4	37.6	13	1	US-10-257-017B-203157	Sequence 203157,
c1493	9.4	37.6	13	1	US-10-257-017B-177595	Sequence 177595,	c1566	9.4	37.6	13	1	US-10-257-017B-203158	Sequence 203158,

1567	9.4	37.6	13	1	US-10-257-017B-204825	Sequence 204825,	c1640	9.4	37.6	13	1	US-10-257-017B-230300	Sequence 230300,
c1568	9.4	37.6	13	1	US-10-257-017B-204826	Sequence 204826,	c1641	9.4	37.6	13	1	US-10-257-017B-231339	Sequence 231339,
c1569	9.4	37.6	13	1	US-10-257-017B-205195	Sequence 205195,	1642	9.4	37.6	13	1	US-10-257-017B-231340	Sequence 231340,
1570	9.4	37.6	13	1	US-10-257-017B-205196	Sequence 205196,	1643	9.4	37.6	13	1	US-10-257-017B-231373	Sequence 231373,
c1571	9.4	37.6	13	1	US-10-257-017B-206219	Sequence 206219,	c1644	9.4	37.6	13	1	US-10-257-017B-231374	Sequence 231374,
c1572	9.4	37.6	13	1	US-10-257-017B-206220	Sequence 206220,	1645	9.4	37.6	13	1	US-10-257-017B-233509	Sequence 233509,
1573	9.4	37.6	13	1	US-10-257-017B-206781	Sequence 206781,	c1646	9.4	37.6	13	1	US-10-257-017B-233510	Sequence 233510,
c1574	9.4	37.6	13	1	US-10-257-017B-206782	Sequence 206782,	1647	9.4	37.6	13	1	US-10-257-017B-234111	Sequence 234111,
c1575	9.4	37.6	13	1	US-10-257-017B-207059	Sequence 207059,	c1648	9.4	37.6	13	1	US-10-257-017B-234112	Sequence 234112,
1576	9.4	37.6	13	1	US-10-257-017B-207060	Sequence 207060,	c1649	9.4	37.6	13	1	US-10-257-017B-234153	Sequence 234153,
c1577	9.4	37.6	13	1	US-10-257-017B-207061	Sequence 207061,	1650	9.4	37.6	13	1	US-10-257-017B-234154	Sequence 234154,
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c1609	9.4	37.6	13	1	US-10-257-017B-219781	Sequence 219781,	c1682	9.4	37.6	13	1	US-10-257-017B-245166	Sequence 245166,
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1615	9.4	37.6	13	1	US-10-257-017B-223923	Sequence 223923,	1688	9.4	37.6	13	1	US-10-257-017B-245628	Sequence 245628,
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1621	9.4	37.6	13	1	US-10-257-017B-225077	Sequence 225077,	1694	9.4	37.6	13	1	US-10-257-017B-247362	Sequence 247362,
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1630	9.4	37.6	13	1	US-10-257-017B-225966	Sequence 225966,	1703	9.4	37.6	13	1	US-10-257-017B-249341	Sequence 249341,
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c1636	9.4	37.6	13	1	US-10-257-017B-229136	Sequence 229136,	c1709	9.4	37.6	13	1	US-10-257-017B-252193	Sequence 252193,
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1639	9.4	37.6	13	1	US-10-257-017B-230299	Sequence 230299,	c1712	9.4	37.6	13	1	US-10-257-017B-252566	Sequence 252566,

c1713	9.4	37.6	13	1	US-10-257-017B-253979	Sequence 253979,	1786	9	36.0	12	1	US-10-257-017B-312380	Sequence 312380,
c1714	9.4	37.6	13	1	US-10-257-017B-253980	Sequence 253980,	c1787	9	36.0	12	1	US-10-257-017B-312700	Sequence 312700,
c1715	9.4	37.6	13	1	US-10-257-017B-254037	Sequence 254037,	c1788	9	36.0	12	1	US-10-257-017B-313337	Sequence 313337,
c1716	9.4	37.6	13	1	US-10-257-017B-254038	Sequence 254038,	1789	9	36.0	12	1	US-10-257-017B-315656	Sequence 315656,
c1717	9.4	37.6	13	1	US-10-257-017B-256985	Sequence 256985,	1790	9	36.0	12	1	US-10-257-017B-316034	Sequence 316034,
c1718	9.4	37.6	13	1	US-10-257-017B-256986	Sequence 256986,	1791	9	36.0	12	1	US-10-257-017B-316423	Sequence 316423,
c1719	9.4	37.6	13	1	US-10-257-017B-258899	Sequence 258899,	c1792	9	36.0	12	1	US-10-257-017B-318310	Sequence 318310,
c1720	9.4	37.6	13	1	US-10-257-017B-258900	Sequence 258900,	c1793	9	36.0	12	1	US-10-257-017B-318748	Sequence 318748,
c1721	9.4	37.6	13	1	US-10-257-017B-259187	Sequence 259187,	c1794	9	36.0	12	1	US-10-257-017B-319568	Sequence 319568,
c1722	9.4	37.6	13	1	US-10-257-017B-259188	Sequence 259188,	c1795	9	36.0	12	1	US-10-257-017B-320587	Sequence 320587,
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c1724	9.4	37.6	13	1	US-10-257-017B-260982	Sequence 260982,	c1797	9	36.0	12	1	US-10-257-017B-322091	Sequence 322091,
c1725	9.4	37.6	13	1	US-10-257-017B-261445	Sequence 261445,	c1798	9	36.0	12	1	US-10-257-017B-322877	Sequence 322877,
c1726	9.4	37.6	13	1	US-10-257-017B-261446	Sequence 261446,	c1799	9	36.0	12	1	US-10-257-017B-323827	Sequence 323827,
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c1728	9.4	37.6	13	1	US-10-257-017B-263402	Sequence 263402,	1801	9	36.0	12	1	US-10-257-017B-324866	Sequence 324866,
c1729	9.4	37.6	13	1	US-10-257-017B-263769	Sequence 263769,	1802	9	36.0	12	1	US-10-257-017B-325312	Sequence 325312,
c1730	9.4	37.6	13	1	US-10-257-017B-263770	Sequence 263770,	1803	9	36.0	12	1	US-10-257-017B-325429	Sequence 325429,
c1731	9.4	37.6	13	1	US-10-257-017B-264603	Sequence 264603,	1804	9	36.0	12	1	US-10-257-017B-325823	Sequence 325823,
c1732	9.4	37.6	13	1	US-10-257-017B-264604	Sequence 264604,	c1805	9	36.0	12	1	US-10-257-017B-326016	Sequence 326016,
c1733	9.4	37.6	13	1	US-10-257-017B-264721	Sequence 264721,	1806	9	36.0	12	1	US-10-257-017B-326183	Sequence 326183,
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c1736	9.4	37.6	13	1	US-10-257-017B-264818	Sequence 264818,	c1809	9	36.0	12	1	US-10-257-017B-328886	Sequence 328886,
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c1774	9	36.0	12	1	US-10-257-017B-292961	Sequence 292961,	1847	9	36.0	12	1	US-10-257-017B-355528	Sequence 355528,
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c1776	9	36.0	12	1	US-10-257-017B-295624	Sequence 295624,	c1849	9	36.0	12	1	US-10-257-017B-356356	Sequence 356356,
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c1778	9	36.0	12	1	US-10-257-017B-301245	Sequence 301245,	c1851	9	36.0	12	1	US-10-257-017B-356660	Sequence 356660,
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c1783	9	36.0	12	1	US-10-257-017B-306977	Sequence 306977,	1856	9	36.0	12	1	US-10-257-017B-358619	Sequence 358619,
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1862	9	36.0	12	1	US-10-257-017B-360129	Sequence 360129,	8.8	35.2	12	1	US-10-257-017B-272519	Sequence 272519,
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c1911	8.8	35.2	12	1	US-10-257-017B-268488	Sequence 268488,	8.8	35.2	12	1	US-10-257-017B-280161	Sequence 280161,
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1923	8.8	35.2	12	1	US-10-257-017B-270910	Sequence 270910,	8.8	35.2	12	1	US-10-257-017B-281289	Sequence 281289,
c1924	8.8	35.2	12	1	US-10-257-017B-270914	Sequence 270914,	8.8	35.2	12	1	US-10-257-017B-281304	Sequence 281304,
c1925	8.8	35.2	12	1	US-10-257-017B-270973	Sequence 270973,	8.8	35.2	12	1	US-10-257-017B-281305	Sequence 281305,
c1926	8.8	35.2	12	1	US-10-257-017B-270979	Sequence 270979,	8.8	35.2	12	1	US-10-257-017B-281390	Sequence 281390,
c1927	8.8	35.2	12	1	US-10-257-017B-271139	Sequence 271139,	8.8	35.2	12	1	US-10-257-017B-281439	Sequence 281439,
1928	8.8	35.2	12	1	US-10-257-017B-271455	Sequence 271455,	8.8	35.2	12	1	US-10-257-017B-281721	Sequence 281721,
c1929	8.8	35.2	12	1	US-10-257-017B-271678	Sequence 271678,	8.8	35.2	12	1	US-10-257-017B-281753	Sequence 281753,
c1930	8.8	35.2	12	1	US-10-257-017B-272200	Sequence 272200,	8.8	35.2	12	1	US-10-257-017B-281825	Sequence 281825,
1931	8.8	35.2	12	1	US-10-257-017B-272334	Sequence 272334,	8.8	35.2	12	1		

c2005	8.8	35.2	12	1	US-10-257-017B-282302	Sequence 282302,	2078	8.8	35.2	12	1	US-10-257-017B-294918	Sequence 294918,
c2006	8.8	35.2	12	1	US-10-257-017B-282581	Sequence 282581,	c2079	8.8	35.2	12	1	US-10-257-017B-295077	Sequence 295077,
c2007	8.8	35.2	12	1	US-10-257-017B-282605	Sequence 282605,	c2080	8.8	35.2	12	1	US-10-257-017B-295380	Sequence 295380,
c2008	8.8	35.2	12	1	US-10-257-017B-282966	Sequence 282966,	c2081	8.8	35.2	12	1	US-10-257-017B-296151	Sequence 296151,
c2009	8.8	35.2	12	1	US-10-257-017B-282970	Sequence 282970,	c2082	8.8	35.2	12	1	US-10-257-017B-297246	Sequence 297246,
c2010	8.8	35.2	12	1	US-10-257-017B-283054	Sequence 283054,	c2083	8.8	35.2	12	1	US-10-257-017B-297297	Sequence 297297,
c2011	8.8	35.2	12	1	US-10-257-017B-283139	Sequence 283139,	c2084	8.8	35.2	12	1	US-10-257-017B-297504	Sequence 297504,
c2012	8.8	35.2	12	1	US-10-257-017B-283336	Sequence 283336,	c2085	8.8	35.2	12	1	US-10-257-017B-298005	Sequence 298005,
c2013	8.8	35.2	12	1	US-10-257-017B-283347	Sequence 283347,	c2086	8.8	35.2	12	1	US-10-257-017B-298549	Sequence 298549,
c2014	8.8	35.2	12	1	US-10-257-017B-283431	Sequence 283431,	c2087	8.8	35.2	12	1	US-10-257-017B-298844	Sequence 298844,
c2015	8.8	35.2	12	1	US-10-257-017B-283466	Sequence 283466,	c2088	8.8	35.2	12	1	US-10-257-017B-298898	Sequence 298898,
c2016	8.8	35.2	12	1	US-10-257-017B-283503	Sequence 283503,	c2089	8.8	35.2	12	1	US-10-257-017B-298957	Sequence 298957,
c2017	8.8	35.2	12	1	US-10-257-017B-283510	Sequence 283510,	c2090	8.8	35.2	12	1	US-10-257-017B-300200	Sequence 300200,
c2018	8.8	35.2	12	1	US-10-257-017B-283516	Sequence 283516,	c2091	8.8	35.2	12	1	US-10-257-017B-300476	Sequence 300476,
c2019	8.8	35.2	12	1	US-10-257-017B-283646	Sequence 283646,	c2092	8.8	35.2	12	1	US-10-257-017B-300617	Sequence 300617,
c2020	8.8	35.2	12	1	US-10-257-017B-283859	Sequence 283859,	c2093	8.8	35.2	12	1	US-10-257-017B-300643	Sequence 300643,
c2021	8.8	35.2	12	1	US-10-257-017B-283867	Sequence 283867,	c2094	8.8	35.2	12	1	US-10-257-017B-300850	Sequence 300850,
c2022	8.8	35.2	12	1	US-10-257-017B-283868	Sequence 283868,	c2095	8.8	35.2	12	1	US-10-257-017B-300889	Sequence 300889,
c2023	8.8	35.2	12	1	US-10-257-017B-284250	Sequence 284250,	c2096	8.8	35.2	12	1	US-10-257-017B-301339	Sequence 301339,
c2024	8.8	35.2	12	1	US-10-257-017B-284351	Sequence 284351,	c2097	8.8	35.2	12	1	US-10-257-017B-301380	Sequence 301380,
c2025	8.8	35.2	12	1	US-10-257-017B-284355	Sequence 284355,	c2098	8.8	35.2	12	1	US-10-257-017B-301651	Sequence 301651,
c2026	8.8	35.2	12	1	US-10-257-017B-284716	Sequence 284716,	c2099	8.8	35.2	12	1	US-10-257-017B-301744	Sequence 301744,
c2027	8.8	35.2	12	1	US-10-257-017B-285055	Sequence 285055,	c2100	8.8	35.2	12	1	US-10-257-017B-302040	Sequence 302040,
c2028	8.8	35.2	12	1	US-10-257-017B-285374	Sequence 285374,	c2101	8.8	35.2	12	1	US-10-257-017B-302574	Sequence 302574,
c2029	8.8	35.2	12	1	US-10-257-017B-285674	Sequence 285674,	c2102	8.8	35.2	12	1	US-10-257-017B-303015	Sequence 303015,
c2030	8.8	35.2	12	1	US-10-257-017B-285677	Sequence 285677,	c2103	8.8	35.2	12	1	US-10-257-017B-303585	Sequence 303585,
c2031	8.8	35.2	12	1	US-10-257-017B-285883	Sequence 285883,	c2104	8.8	35.2	12	1	US-10-257-017B-303737	Sequence 303737,
c2032	8.8	35.2	12	1	US-10-257-017B-286006	Sequence 286006,	c2105	8.8	35.2	12	1	US-10-257-017B-303741	Sequence 303741,
c2033	8.8	35.2	12	1	US-10-257-017B-286702	Sequence 286702,	c2106	8.8	35.2	12	1	US-10-257-017B-304020	Sequence 304020,
c2034	8.8	35.2	12	1	US-10-257-017B-286742	Sequence 286742,	c2107	8.8	35.2	12	1	US-10-257-017B-304076	Sequence 304076,
c2035	8.8	35.2	12	1	US-10-257-017B-287011	Sequence 287011,	c2108	8.8	35.2	12	1	US-10-257-017B-304440	Sequence 304440,
c2036	8.8	35.2	12	1	US-10-257-017B-287452	Sequence 287452,	c2109	8.8	35.2	12	1	US-10-257-017B-304831	Sequence 304831,
c2037	8.8	35.2	12	1	US-10-257-017B-287498	Sequence 287498,	c2110	8.8	35.2	12	1	US-10-257-017B-304920	Sequence 304920,
c2038	8.8	35.2	12	1	US-10-257-017B-287635	Sequence 287635,	c2111	8.8	35.2	12	1	US-10-257-017B-306008	Sequence 306008,
c2039	8.8	35.2	12	1	US-10-257-017B-287856	Sequence 287856,	c2112	8.8	35.2	12	1	US-10-257-017B-306250	Sequence 306250,
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c2041	8.8	35.2	12	1	US-10-257-017B-288714	Sequence 288714,	c2114	8.8	35.2	12	1	US-10-257-017B-306978	Sequence 306978,
c2042	8.8	35.2	12	1	US-10-257-017B-288726	Sequence 288726,	c2115	8.8	35.2	12	1	US-10-257-017B-307092	Sequence 307092,
c2043	8.8	35.2	12	1	US-10-257-017B-288838	Sequence 288838,	c2116	8.8	35.2	12	1	US-10-257-017B-307428	Sequence 307428,
c2044	8.8	35.2	12	1	US-10-257-017B-289532	Sequence 289532,	c2117	8.8	35.2	12	1	US-10-257-017B-307479	Sequence 307479,
c2045	8.8	35.2	12	1	US-10-257-017B-289532	Sequence 289532,	c2118	8.8	35.2	12	1	US-10-257-017B-307505	Sequence 307505,
c2046	8.8	35.2	12	1	US-10-257-017B-289876	Sequence 289876,	c2119	8.8	35.2	12	1	US-10-257-017B-307737	Sequence 307737,
c2047	8.8	35.2	12	1	US-10-257-017B-290187	Sequence 290187,	c2120	8.8	35.2	12	1	US-10-257-017B-308178	Sequence 308178,
c2048	8.8	35.2	12	1	US-10-257-017B-290268	Sequence 290268,	c2121	8.8	35.2	12	1	US-10-257-017B-308194	Sequence 308194,
c2049	8.8	35.2	12	1	US-10-257-017B-290515	Sequence 290515,	c2122	8.8	35.2	12	1	US-10-257-017B-308402	Sequence 308402,
c2050	8.8	35.2	12	1	US-10-257-017B-290517	Sequence 290517,	c2123	8.8	35.2	12	1	US-10-257-017B-308435	Sequence 308435,
c2051	8.8	35.2	12	1	US-10-257-017B-290688	Sequence 290688,	c2124	8.8	35.2	12	1	US-10-257-017B-308570	Sequence 308570,
c2052	8.8	35.2	12	1	US-10-257-017B-290689	Sequence 290689,	c2125	8.8	35.2	12	1	US-10-257-017B-308952	Sequence 308952,
c2053	8.8	35.2	12	1	US-10-257-017B-290774	Sequence 290774,	c2126	8.8	35.2	12	1	US-10-257-017B-309109	Sequence 309109,
c2054	8.8	35.2	12	1	US-10-257-017B-291046	Sequence 291046,	c2127	8.8	35.2	12	1	US-10-257-017B-309171	Sequence 309171,
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c2056	8.8	35.2	12	1	US-10-257-017B-291158	Sequence 291158,	c2129	8.8	35.2	12	1	US-10-257-017B-310165	Sequence 310165,
c2057	8.8	35.2	12	1	US-10-257-017B-291176	Sequence 291176,	c2130	8.8	35.2	12	1	US-10-257-017B-310173	Sequence 310173,
c2058	8.8	35.2	12	1	US-10-257-017B-291347	Sequence 291347,	c2131	8.8	35.2	12	1	US-10-257-017B-310747	Sequence 310747,
c2059	8.8	35.2	12	1	US-10-257-017B-291351	Sequence 291351,	c2132	8.8	35.2	12	1	US-10-257-017B-311070	Sequence 311070,
c2060	8.8	35.2	12	1	US-10-257-017B-291688	Sequence 291688,	c2133	8.8	35.2	12	1	US-10-257-017B-311276	Sequence 311276,
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c2062	8.8	35.2	12	1	US-10-257-017B-291827	Sequence 291827,	c2135	8.8	35.2	12	1	US-10-257-017B-311373	Sequence 311373,
c2063	8.8	35.2	12	1	US-10-257-017B-292137	Sequence 292137,	c2136	8.8	35.2	12	1	US-10-257-017B-311600	Sequence 311600,
c2064	8.8	35.2	12	1	US-10-257-017B-292607	Sequence 292607,	c2137	8.8	35.2	12	1	US-10-257-017B-311692	Sequence 311692,
c2065	8.8	35.2	12	1	US-10-257-017B-292677	Sequence 292677,	c2138	8.8	35.2	12	1	US-10-257-017B-311737	Sequence 311737,
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c2068	8.8	35.2	12	1	US-10-257-017B-293144	Sequence 293144,	c2141	8.8	35.2	12	1	US-10-257-017B-312044	Sequence 312044,
c2069	8.8	35.2	12	1	US-10-257-017B-293146	Sequence 293146,	c2142	8.8	35.2	12	1	US-10-257-017B-312366	Sequence 312366,
c2070	8.8	35.2	12	1	US-10-257-017B-293156	Sequence 293156,	c2143	8.8	35.2	12	1	US-10-257-017B-312383	Sequence 312383,
c2071	8.8	35.2	12	1	US-10-257-017B-293223	Sequence 293223,	c2144	8.8	35.2	12	1	US-10-257-017B-313193	Sequence 313193,
c2072	8.8	35.2	12	1	US-10-257-017B-293371	Sequence 293371,	c2145	8.8	35.2	12	1	US-10-257-017B-313195	Sequence 313195,
c2073	8.8	35.2	12	1	US-10-257-017B-293853	Sequence 293853,	c2146	8.8	35.2	12	1	US-10-257-017B-313207	Sequence 313207,
c2074	8.8	35.2	12	1	US-10-257-017B-294052	Sequence 294052,	c2147	8.8	35.2	12	1	US-10-257-017B-313218	Sequence 313218,
c2075	8.8	35.2	12	1	US-10-257-017B-294319	Sequence 294319,	c2148	8.8	35.2	12	1	US-10-257-017B-313388	Sequence 313388,
c2076	8.8	35.2	12	1	US-10-257-017B-294503	Sequence 294503,	c2149	8.8	35.2	12	1	US-10-257-017B-313500	Sequence 313500,
c2077	8.8	35.2	12	1	US-10-257-017B-294834	Sequence 294834,	c2150	8.8	35.2	12	1	US-10-257-017B-313625	Sequence 313625,

2151	8.8	35.2	12	1	US-10-257-017B-313908	Sequence 313908,	C2224	8.8	35.2	12	1	US-10-257-017B-330397	Sequence 330397,
2152	8.8	35.2	12	1	US-10-257-017B-314478	Sequence 314478,	C2225	8.8	35.2	12	1	US-10-257-017B-330587	Sequence 330587,
2153	8.8	35.2	12	1	US-10-257-017B-314861	Sequence 314861,	C2226	8.8	35.2	12	1	US-10-257-017B-330606	Sequence 330606,
2154	8.8	35.2	12	1	US-10-257-017B-315098	Sequence 315098,	C2227	8.8	35.2	12	1	US-10-257-017B-330804	Sequence 330804,
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2158	8.8	35.2	12	1	US-10-257-017B-315812	Sequence 315812,	C2231	8.8	35.2	12	1	US-10-257-017B-332227	Sequence 332227,
2159	8.8	35.2	12	1	US-10-257-017B-315863	Sequence 315863,	C2232	8.8	35.2	12	1	US-10-257-017B-332333	Sequence 332333,
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2177	8.8	35.2	12	1	US-10-257-017B-319970	Sequence 319970,	C2250	8.8	35.2	12	1	US-10-257-017B-336007	Sequence 336007,
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2182	8.8	35.2	12	1	US-10-257-017B-320751	Sequence 320751,	C2255	8.8	35.2	12	1	US-10-257-017B-336976	Sequence 336976,
2183	8.8	35.2	12	1	US-10-257-017B-320882	Sequence 320882,	C2256	8.8	35.2	12	1	US-10-257-017B-337315	Sequence 337315,
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2188	8.8	35.2	12	1	US-10-257-017B-322438	Sequence 322438,	C2261	8.8	35.2	12	1	US-10-257-017B-337971	Sequence 337971,
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2193	8.8	35.2	12	1	US-10-257-017B-324004	Sequence 324004,	C2266	8.8	35.2	12	1	US-10-257-017B-338753	Sequence 338753,
2194	8.8	35.2	12	1	US-10-257-017B-324040	Sequence 324040,	C2267	8.8	35.2	12	1	US-10-257-017B-339068	Sequence 339068,
2195	8.8	35.2	12	1	US-10-257-017B-324425	Sequence 324425,	C2268	8.8	35.2	12	1	US-10-257-017B-339221	Sequence 339221,
2196	8.8	35.2	12	1	US-10-257-017B-324756	Sequence 324756,	C2269	8.8	35.2	12	1	US-10-257-017B-339263	Sequence 339263,
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2198	8.8	35.2	12	1	US-10-257-017B-324941	Sequence 324941,	C2271	8.8	35.2	12	1	US-10-257-017B-339690	Sequence 339690,
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2201	8.8	35.2	12	1	US-10-257-017B-326134	Sequence 326134,	C2274	8.8	35.2	12	1	US-10-257-017B-340191	Sequence 340191,
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2452	8.8	35.2	12	1	US-10-257-017B-371365	Sequence 371365,	8.8	35.2	13	1	US-09-927-046-6	Sequence 6, Appl
2453	8.8	35.2	12	1	US-10-257-017B-371535	Sequence 371535,	8.8	35.2	17	1	US-10-238-700-1291	Sequence 1291, Ap
2454	8.8	35.2	12	1	US-10-257-017B-371577	Sequence 371577,	8.6	34.4	17	1	US-09-839-860-2	Sequence 2, Appl
2455	8.8	35.2	12	1	US-10-257-017B-371728	Sequence 371728,	8.4	33.6	10	1	US-09-867-915-17	Sequence 17, Appl
2456	8.8	35.2	12	1	US-10-257-017B-371967	Sequence 371967,	8.4	33.6	10	1	US-09-867-915-17	Sequence 60, Appl
2457	8.8	35.2	12	1	US-10-257-017B-372201	Sequence 372201,	8.4	33.6	10	1	US-10-033-145-60	Sequence 611, Appl
2458	8.8	35.2	12	1	US-10-257-017B-372324	Sequence 372324,	8.4	33.6	10	1	US-10-033-145-60	Sequence 40, Appl
2459	8.8	35.2	12	1	US-10-257-017B-372430	Sequence 372430,	8.4	33.6	10	1	US-10-360-222-40	Sequence 42, Appl
2460	8.8	35.2	12	1	US-10-257-017B-372754	Sequence 372754,	8.4	33.6	10	1	US-10-360-222-42	Sequence 412, Appl
2461	8.8	35.2	12	1	US-10-257-017B-373057	Sequence 373057,	8.4	33.6	10	1	US-10-091-281-412	Sequence 18, Appl
2462	8.8	35.2	12	1	US-10-257-017B-373078	Sequence 373078,	8.4	33.6	11	1	US-10-360-222-18	Sequence 1213, Ap
2463	8.8	35.2	12	1	US-10-257-017B-373208	Sequence 373208,	8.4	33.6	11	1	US-10-450-797-1213	Sequence 1230, Ap
2464	8.8	35.2	12	1	US-10-257-017B-373296	Sequence 373296,	8.4	33.6	11	1	US-10-450-797-1230	Sequence 1, Appl
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2468	8.8	35.2	12	1	US-10-257-017B-373953	Sequence 373953,	8.4	33.6	12	1	US-10-257-017B-358125	Sequence 358125,
2469	8.8	35.2	12	1	US-10-257-017B-373999	Sequence 373999,	8.4	33.6	12	1	US-10-257-017B-361672	Sequence 361672,
2470	8.8	35.2	12	1	US-10-257-017B-374058	Sequence 374058,	8.4	33.6	12	1	US-10-257-017B-283642	Sequence 283642,
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2472	8.8	35.2	12	1	US-10-257-017B-374781	Sequence 374781,	8.4	33.6	12	1	US-10-257-017B-312375	Sequence 312375,
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2648	8.4	33.6	12	1	US-10-257-017B-278019	Sequence 278019,	c2726	8.4	33.6	12	1	US-10-257-017B-288824	Sequence 288824,
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2650	8.4	33.6	12	1	US-10-257-017B-278328	Sequence 278328,	c2728	8.4	33.6	12	1	US-10-257-017B-289077	Sequence 289077,
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2652	8.4	33.6	12	1	US-10-257-017B-278382	Sequence 278382,	c2730	8.4	33.6	12	1	US-10-257-017B-289535	Sequence 289535,
c2653	8.4	33.6	12	1	US-10-257-017B-278548	Sequence 278548,	c2731	8.4	33.6	12	1	US-10-257-017B-290001	Sequence 290001,
2654	8.4	33.6	12	1	US-10-257-017B-278744	Sequence 278744,	c2732	8.4	33.6	12	1	US-10-257-017B-290402	Sequence 290402,
c2655	8.4	33.6	12	1	US-10-257-017B-279010	Sequence 279010,	c2733	8.4	33.6	12	1	US-10-257-017B-290544	Sequence 290544,
2656	8.4	33.6	12	1	US-10-257-017B-279013	Sequence 279013,	2734	8.4	33.6	12	1	US-10-257-017B-290702	Sequence 290702,
c2657	8.4	33.6	12	1	US-10-257-017B-279056	Sequence 279056,							
2658	8.4	33.6	12	1	US-10-257-017B-279162	Sequence 279162,							
c2659	8.4	33.6	12	1	US-10-257-017B-279323	Sequence 279323,							
2660	8.4	33.6	12	1	US-10-257-017B-279400	Sequence 279400,							
2661	8.4	33.6	12	1	US-10-257-017B-279674	Sequence 279674,							

2735	8.4	33.6	12	1	US-10-257-017B-290776	Sequence 290776,	c2808	8.4	33.6	12	1	US-10-257-017B-302900	Sequence 302900,
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2737	8.4	33.6	12	1	US-10-257-017B-291282	Sequence 291282,	c2810	8.4	33.6	12	1	US-10-257-017B-303028	Sequence 303028,
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2739	8.4	33.6	12	1	US-10-257-017B-291504	Sequence 291504,	c2812	8.4	33.6	12	1	US-10-257-017B-303175	Sequence 303175,
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2746	8.4	33.6	12	1	US-10-257-017B-292540	Sequence 292540,	c2819	8.4	33.6	12	1	US-10-257-017B-304279	Sequence 304279,
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2749	8.4	33.6	12	1	US-10-257-017B-292905	Sequence 292905,	2822	8.4	33.6	12	1	US-10-257-017B-304927	Sequence 304927,
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2752	8.4	33.6	12	1	US-10-257-017B-293364	Sequence 293364,	2825	8.4	33.6	12	1	US-10-257-017B-305358	Sequence 305358,
2753	8.4	33.6	12	1	US-10-257-017B-293425	Sequence 293425,	2826	8.4	33.6	12	1	US-10-257-017B-305634	Sequence 305634,
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2755	8.4	33.6	12	1	US-10-257-017B-294037	Sequence 294037,	2828	8.4	33.6	12	1	US-10-257-017B-306026	Sequence 306026,
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2764	8.4	33.6	12	1	US-10-257-017B-296729	Sequence 296729,	2837	8.4	33.6	12	1	US-10-257-017B-307229	Sequence 307229,
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2769	8.4	33.6	12	1	US-10-257-017B-297703	Sequence 297703,	2842	8.4	33.6	12	1	US-10-257-017B-307896	Sequence 307896,
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2886	8.4	33.6	12	1	US-10-257-017B-315145	Sequence 315145,	C2959	8.4	33.6	12	1	US-10-257-017B-330663	Sequence 330663,
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2914	8.4	33.6	12	1	US-10-257-017B-321038	Sequence 321038,	C2987	8.4	33.6	12	1	US-10-257-017B-335356	Sequence 335356,
C2915	8.4	33.6	12	1	US-10-257-017B-321176	Sequence 321176,	2988	8.4	33.6	12	1	US-10-257-017B-335366	Sequence 335366,
2916	8.4	33.6	12	1	US-10-257-017B-321330	Sequence 321330,	C2989	8.4	33.6	12	1	US-10-257-017B-335418	Sequence 335418,
2917	8.4	33.6	12	1	US-10-257-017B-321333	Sequence 321333,	2990	8.4	33.6	12	1	US-10-257-017B-335502	Sequence 335502,
C2918	8.4	33.6	12	1	US-10-257-017B-322096	Sequence 322096,	C2991	8.4	33.6	12	1	US-10-257-017B-335748	Sequence 335748,
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C2923	8.4	33.6	12	1	US-10-257-017B-322711	Sequence 322711,	2996	8.4	33.6	12	1	US-10-257-017B-336390	Sequence 336390,
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2952	8.4	33.6	12	1	US-10-257-017B-328959	Sequence 328959,	3025	8.4	33.6	12	1	US-10-257-017B-339269	Sequence 339269,
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C3087	8.4	33.6	12	1	US-10-257-017B-344524	Sequence 344524,	C3160	8.4	33.6	12	1	US-10-257-017B-352770	Sequence 352770,
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3180	8.4	33.6	12	1	US-10-257-017B-354922	Sequence 354922,	c3253	8.4	33.6	12	1	US-10-257-017B-365032	Sequence 365032,
c3181	8.4	33.6	12	1	US-10-257-017B-354923	Sequence 354923,	3254	8.4	33.6	12	1	US-10-257-017B-365062	Sequence 365062,
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c3184	8.4	33.6	12	1	US-10-257-017B-355074	Sequence 355074,	3257	8.4	33.6	12	1	US-10-257-017B-365287	Sequence 365287,
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3187	8.4	33.6	12	1	US-10-257-017B-355197	Sequence 355197,	c3260	8.4	33.6	12	1	US-10-257-017B-365439	Sequence 365439,
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					Sequence 363937,								

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C3321	8.4	33.6	12	1	US-10-257-017B-372085	Sequence 372085,	C3394	8.4	33.6	12	1	US-10-257-017B-380742	Sequence 380742,
C3322	8.4	33.6	12	1	US-10-257-017B-372556	Sequence 372556,	3395	8.4	33.6	12	1	US-10-257-017B-380745	Sequence 380745,
C3323	8.4	33.6	12	1	US-10-257-017B-372768	Sequence 372768,	C3396	8.4	33.6	12	1	US-10-257-017B-380840	Sequence 380840,
C3324	8.4	33.6	12	1	US-10-257-017B-372805	Sequence 372805,	3397	8.4	33.6	12	1	US-10-257-017B-381113	Sequence 381113,
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C3326	8.4	33.6	12	1	US-10-257-017B-373059	Sequence 373059,	C3399	8.4	33.6	12	1	US-10-257-017B-381318	Sequence 381318,
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C3328	8.4	33.6	12	1	US-10-257-017B-373333	Sequence 373333,	3401	8.4	33.6	12	1	US-10-257-017B-381621	Sequence 381621,
C3329	8.4	33.6	12	1	US-10-257-017B-373353	Sequence 373353,	3402	8.4	33.6	12	1	US-10-257-017B-381673	Sequence 381673,
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C3333	8.4	33.6	12	1	US-10-257-017B-374090	Sequence 374090,	3406	8.4	33.6	12	1	US-10-257-017B-381916	Sequence 381916,
C3334	8.4	33.6	12	1	US-10-257-017B-374170	Sequence 374170,	C3407	8.4	33.6	12	1	US-10-257-017B-381960	Sequence 381960,
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C3387	8.4	33.6	12	1	US-10-257-017B-380088	Sequence 380088,							
C3388	8.4	33.6	12	1	US-10-257-017B-380198	Sequence 380198,							
C3389	8.4	33.6	12	1	US-10-257-017B-380264	Sequence 380264,							
C3390	8.4	33.6	12	1	US-10-257-017B-380319	Sequence 380319,							
C3391	8.4	33.6	12	1	US-10-257-017B-380391	Sequence 380391,							

## ALIGNMENTS



GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: April 4, 2005, 15:04:57 ; Search time 3 seconds  
(without alignments)  
0.712 Million cell updates/sec

Title: us-10-088-666-73

Perfect score: 25  
Sequence: 1 tcgagaataattgaataatattag 25

Scoring table: IDENTITY NUC  
Gapop 10\_0 , Gapext 0.5

Searched: 3445 seqs, 42691 residues

Total number of hits satisfying chosen parameters: 6890

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 3505 summaries

Database : 73rngdb.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	25	100.0	25	1	AAFP61638
2	13.8	55.2	17	1	ABK57249
3	12.4	49.6	16	1	AAV06839
4	12.2	48.8	17	1	ABV83043
5	12.2	48.8	17	1	ABK55635
6	12.2	48.8	17	1	ABK55637
7	12.2	48.8	17	1	ACC63596
8	12.2	48.8	17	1	ADB42233
9	12	48.0	12	1	AB133173
10	12	48.0	12	1	AB1331265
11	12	48.0	13	1	ABF471136
12	12	48.0	13	1	ABF471137
13	12	48.0	17	1	ABZ61179
14	11.8	47.2	15	1	AAFS5801
15	11.8	47.2	15	1	AAFS5817
16	11.8	47.2	15	1	AAFS56338
17	11.6	46.4	13	1	ABH30144
18	11.6	46.4	13	1	ABH30145
19	11.4	45.6	13	1	ABH30145
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22	11.4	45.6	13	1	ABH30145
23	11.4	45.6	13	1	ABH30145
24	11.4	45.6	13	1	ABH30145
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26	11.4	45.6	13	1	ABH30145
27	11.4	45.6	13	1	ABH30145
28	11.4	45.6	13	1	ABH30145
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30	11.4	45.6	13	1	ABH30145
31	11.4	45.6	13	1	ABH30145
32	11.4	45.6	13	1	ABH30145
33	11.4	45.6	13	1	ABH30145

C 34	11.4	45.6	13	1	ABC02789	Oligonucleotide SE
C 35	11.4	45.6	13	1	ABF96335	Oligonucleotide SE
C 36	11.4	45.6	13	1	ABG69533	Oligonucleotide SE
C 37	11.4	45.6	13	1	ABC31660	Oligonucleotide SE
C 38	11.4	45.6	13	1	ABH22069	Oligonucleotide SE
C 39	11.4	45.6	13	1	ABC50953	Oligonucleotide SE
C 40	11.4	45.6	13	1	ABH02691	Oligonucleotide SE
C 41	11.4	45.6	13	1	ABH63547	Oligonucleotide SE
C 42	11.4	45.6	13	1	ABC02788	Oligonucleotide SE
C 43	11.4	45.6	13	1	ABF19190	Oligonucleotide SE
C 44	11.4	45.6	13	1	ABH60175	Oligonucleotide SE
C 45	11.4	45.6	13	1	ABC50968	Oligonucleotide SE
C 46	11.4	45.6	13	1	ABF54210	Oligonucleotide SE
C 47	11.4	45.6	13	1	ABH48029	Oligonucleotide SE
C 48	11.4	45.6	13	1	ABH60174	Oligonucleotide SE
C 49	11.4	45.6	13	1	ABC50969	Oligonucleotide SE
C 50	11.4	45.6	13	1	ABF96334	Oligonucleotide SE
C 51	11.4	45.6	13	1	ABC69532	Oligonucleotide SE
C 52	11.4	45.6	13	1	ABH48028	Oligonucleotide SE
C 53	11.4	45.6	13	1	ABH63546	Oligonucleotide SE
C 54	11.4	45.6	13	1	ABF74776	Oligonucleotide SE
C 55	11	44.0	11	1	ABV55347	Human skin EST 313
C 56	11	44.0	12	1	AB102726	Oligonucleotide pr
C 57	11	44.0	12	1	AB100230	Oligonucleotide pr
C 58	11	44.0	12	1	AB131264	Oligonucleotide pr
C 59	11	44.0	12	1	AB164091	Oligonucleotide pr
C 60	11	44.0	12	1	AB132117	Oligonucleotide pr
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C 63	11	44.0	12	1	AB152285	Oligonucleotide pr
C 64	11	44.0	12	1	ABH72768	Oligonucleotide pr
C 65	11	44.0	12	1	ABH83945	Oligonucleotide pr
C 66	11	44.0	12	1	AB143654	Oligonucleotide pr
C 67	11	44.0	12	1	AB16898	Oligonucleotide SE
C 68	11	44.0	13	1	ABF45147	Oligonucleotide SE
C 69	11	44.0	13	1	ABF83261	Oligonucleotide SE
C 70	11	44.0	13	1	ABC06462	Oligonucleotide SE
C 71	11	44.0	13	1	ABC16899	Oligonucleotide SE
C 72	11	44.0	13	1	ABH46146	Oligonucleotide SE
C 73	11	44.0	13	1	ABC07432	Oligonucleotide SE
C 74	11	44.0	13	1	ABF45146	Oligonucleotide SE
C 75	11	44.0	13	1	ABF83260	Oligonucleotide SE
C 76	11	44.0	13	1	ABC20799	Oligonucleotide SE
C 77	11	44.0	13	1	ABC30998	Oligonucleotide SE
C 78	11	44.0	13	1	ABH52365	Oligonucleotide SE
C 79	11	44.0	13	1	ABC20798	Oligonucleotide SE
C 80	11	44.0	13	1	ABC03214	Oligonucleotide SE
C 81	11	44.0	13	1	ABC06463	Oligonucleotide SE
C 82	11	44.0	13	1	ABF84986	Oligonucleotide SE
C 83	11	44.0	13	1	ABH46147	Oligonucleotide SE
C 84	11	44.0	13	1	ABC20800	Oligonucleotide SE
C 85	11	44.0	13	1	ABF84987	Oligonucleotide SE
C 86	11	44.0	13	1	ABH52364	Oligonucleotide SE
C 87	11	44.0	13	1	ABC20801	Oligonucleotide SE
C 88	11	44.0	13	1	ABC03215	Oligonucleotide SE
C 89	11	44.0	13	1	ABC07433	Oligonucleotide SE
C 90	11	43.2	14	1	AAV49187	rb gene antisense
C 91	10.8	43.2	14	1	ADH70479	Human Vbeta gene r
C 92	10.8	43.2	15	1	AAT56350	Mouse TNF-a hammer
C 93	10.8	43.2	15	1	AAT57056	RSV IC hammerhead
C 94	10.8	43.2	15	1	AAT55803	Human TNF-alpha ha
C 95	10.8	43.2	15	1	AAT55815	Human TNF-alpha ha
C 96	10.8	43.2	15	1	AAT55819	Human TNF-alpha ha
C 97	10.8	43.2	15	1	AAT55819	Human TNF-alpha ha
C 98	10.8	43.2	15	1	AAT55799	Mouse TNF-a hammer
C 99	10.8	43.2	15	1	AAT56342	Mouse TNF-a hammer
C 100	10.8	43.2	15	1	AAT56332	Mouse B7-2 hammer
C 101	10.8	43.2	15	1	AAH66233	Mouse B7-2 hammer
C 102	10.8	43.2	15	1	AAV49188	rb gene antisense
C 103	10.8	43.2	15	1	AAV49188	rb gene antisense
C 104	10.8	43.2	15	1	AAH05946	Primer A (tdhl) fo
C 105	10.8	43.2	15	1	AAH21905	Probe for E. coli
C 106	10.6	42.4	13	1	ABF96883	Oligonucleotide SE

107	10.6	42.4	13	1	ABC88545	Oligonucleotide SE
108	10.6	42.4	13	1	ABF96882	Oligonucleotide SE
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c 111	10.4	41.6	12	1	ABH71610	Oligonucleotide pr
c 112	10.4	41.6	12	1	AB125776	Oligonucleotide pr
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c 114	10.4	41.6	12	1	AB181797	Oligonucleotide pr
c 115	10.4	41.6	12	1	ABH82112	Oligonucleotide pr
c 116	10.4	41.6	12	1	ABH82492	Oligonucleotide pr
c 117	10.4	41.6	12	1	ABH90157	Oligonucleotide pr
c 118	10.4	41.6	12	1	AB153154	Oligonucleotide pr
c 119	10.4	41.6	12	1	AB170449	Oligonucleotide pr
c 120	10.4	41.6	12	1	AB177816	Oligonucleotide pr
c 121	10.4	41.6	12	1	AB121599	Oligonucleotide pr
c 122	10.4	41.6	12	1	AB104049	Oligonucleotide pr
c 123	10.4	41.6	12	1	AB107832	Oligonucleotide pr
c 124	10.4	41.6	12	1	AB101603	Oligonucleotide pr
c 125	10.4	41.6	12	1	AB158152	Oligonucleotide pr
c 126	10.4	41.6	12	1	AB128163	Oligonucleotide pr
c 127	10.4	41.6	12	1	AB158954	Oligonucleotide pr
c 128	10.4	41.6	12	1	AB165085	Oligonucleotide pr
c 129	10.4	41.6	12	1	ABH84259	Oligonucleotide pr
c 130	10.4	41.6	12	1	AB164988	Oligonucleotide pr
c 131	10.4	41.6	12	1	AB167285	Oligonucleotide pr
c 132	10.4	41.6	12	1	ABH70779	Oligonucleotide pr
c 133	10.4	41.6	12	1	AB152501	Oligonucleotide pr
c 134	10.4	41.6	12	1	AB159335	Oligonucleotide pr
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c 141	10.4	41.6	12	1	AB166485	Oligonucleotide pr
c 142	10.4	41.6	12	1	ABH95259	Oligonucleotide pr
c 143	10.4	41.6	12	1	AB102426	Oligonucleotide pr
c 144	10.4	41.6	12	1	ABH82551	Oligonucleotide pr
c 145	10.4	41.6	12	1	AB137065	Oligonucleotide pr
c 146	10.4	41.6	12	1	AB148405	Oligonucleotide pr
c 147	10.4	41.6	12	1	ABH89289	Oligonucleotide pr
c 148	10.4	41.6	12	1	AB119379	Oligonucleotide pr
c 149	10.4	41.6	12	1	ABH82920	Oligonucleotide pr
c 150	10.4	41.6	12	1	AB112343	Oligonucleotide pr
c 151	10.4	41.6	12	1	AB137708	Oligonucleotide pr
c 152	10.4	41.6	12	1	AB144126	Oligonucleotide pr
c 153	10.4	41.6	12	1	AB178803	Oligonucleotide pr
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c 155	10.4	41.6	13	1	ABC95872	Oligonucleotide SE
c 156	10.4	41.6	13	1	ABF02526	Oligonucleotide SE
c 157	10.4	41.6	13	1	ABC06213	Oligonucleotide SE
c 158	10.4	41.6	13	1	ABC59356	Oligonucleotide SE
c 159	10.4	41.6	13	1	ABC63410	Oligonucleotide SE
c 160	10.4	41.6	13	1	ABC63411	Oligonucleotide SE
c 161	10.4	41.6	13	1	ABF73503	Oligonucleotide SE
c 162	10.4	41.6	13	1	ABF90005	Oligonucleotide SE
c 163	10.4	41.6	13	1	ABH16607	Oligonucleotide SE
c 164	10.4	41.6	13	1	ABH53078	Oligonucleotide SE
c 165	10.4	41.6	13	1	ABF42570	Oligonucleotide SE
c 166	10.4	41.6	13	1	ABF47135	Oligonucleotide SE
c 167	10.4	41.6	13	1	ABF73502	Oligonucleotide SE
c 168	10.4	41.6	13	1	ABH31802	Oligonucleotide SE
c 169	10.4	41.6	13	1	ABH55214	Oligonucleotide SE
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c 171	10.4	41.6	13	1	AB1C12405	Oligonucleotide SE
c 172	10.4	41.6	13	1	ABF25033	Oligonucleotide SE
c 173	10.4	41.6	13	1	ABF70649	Oligonucleotide SE
c 174	10.4	41.6	13	1	ABF87963	Oligonucleotide SE
c 175	10.4	41.6	13	1	ABH16606	Oligonucleotide SE
c 176	10.4	41.6	13	1	ABH48554	Oligonucleotide SE
c 177	10.4	41.6	13	1	ABC48714	Oligonucleotide SE
c 178	10.4	41.6	13	1	ABC03225	Oligonucleotide SE
c 179	10.4	41.6	13	1	ABC12404	Oligonucleotide SE
c 180	10.4	41.6	13	1	ABF71711	Oligonucleotide SE
c 181	10.4	41.6	13	1	ABF56346	Oligonucleotide SE
c 182	10.4	41.6	13	1	ABF57659	Oligonucleotide SE
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c 184	10.4	41.6	13	1	ABH46626	Oligonucleotide SE
c 185	10.4	41.6	13	1	ABH47412	Oligonucleotide SE
c 186	10.4	41.6	13	1	ABC48717	Oligonucleotide SE
c 187	10.4	41.6	13	1	ABC55562	Oligonucleotide SE
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c 189	10.4	41.6	13	1	ABF41098	Oligonucleotide SE
c 190	10.4	41.6	13	1	ABF41099	Oligonucleotide SE
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c 195	10.4	41.6	13	1	ABF42571	Oligonucleotide SE
c 196	10.4	41.6	13	1	ABF94658	Oligonucleotide SE
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c 202	10.4	41.6	13	1	ABH62138	Oligonucleotide SE
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c 204	10.4	41.6	13	1	ABC32555	Oligonucleotide SE
c 205	10.4	41.6	13	1	ABF38345	Oligonucleotide SE
c 206	10.4	41.6	13	1	ABF71525	Oligonucleotide SE
c 207	10.4	41.6	13	1	ABF49788	Oligonucleotide SE
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c 209	10.4	41.6	13	1	ABH28002	Oligonucleotide SE
c 210	10.4	41.6	13	1	ABH49342	Oligonucleotide SE
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c 212	10.4	41.6	13	1	ABF02527	Oligonucleotide SE
c 213	10.4	41.6	13	1	ABH25128	Oligonucleotide SE
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c 220	10.4	41.6	13	1	ABC55563	Oligonucleotide SE
c 221	10.4	41.6	13	1	ABC06212	Oligonucleotide SE
c 222	10.4	41.6	13	1	ABH39018	Oligonucleotide SE
c 223	10.4	41.6	13	1	ABH16128	Oligonucleotide SE
c 224	10.4	41.6	13	1	ABF38344	Oligonucleotide SE
c 225	10.4	41.6	13	1	ABF90004	Oligonucleotide SE
c 226	10.4	41.6	13	1	ABC47413	Oligonucleotide SE
c 227	10.4	41.6	13	1	ABC48715	Oligonucleotide SE
c 228	10.4	41.6	13	1	ABH28003	Oligonucleotide SE
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c 230	10.4	41.6	13	1	ABH31803	Oligonucleotide SE
c 231	10.4	41.6	13	1	ABF64819	Oligonucleotide SE
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c 242	10.4	41.6	13	1	ABF37289	Oligonucleotide SE
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c 250	10.4	41.6	13	1	ABH40333	Oligonucleotide SE
c 251	10.4	41.6	13	1	ABF47134	Oligonucleotide SE
c 252	10.4	41.6	13	1	ABH06821	Oligonucleotide SE



253	10.4	41.6	13	1	ABF87962	Oligonucleotide SE	326	10	40.0	13	1	ABH37946	Oligonucleotide SE
254	10.4	41.6	13	1	ABF67160	Oligonucleotide SE	327	10	40.0	13	1	ABC27142	Oligonucleotide SE
C 255	10.4	41.6	13	1	ABH46627	Oligonucleotide SE	C 328	10	40.0	13	1	ABC86924	Oligonucleotide SE
C 256	10.4	41.6	13	1	ABH48555	Oligonucleotide SE	C 329	10	40.0	13	1	ABC12847	Oligonucleotide SE
C 257	10.4	41.6	13	1	ABH54008	Oligonucleotide SE	C 330	10	40.0	13	1	ABF39426	Oligonucleotide SE
C 258	10.4	41.6	13	1	ABH54009	Oligonucleotide SE	C 331	10	40.0	13	1	ABH07457	Oligonucleotide SE
C 259	10.4	41.6	13	1	ABC20654	Oligonucleotide SE	C 332	10	40.0	13	1	ABF02175	Oligonucleotide SE
C 260	10.4	41.6	13	1	ABC95873	Oligonucleotide SE	C 333	10	40.0	13	1	ABC55583	Oligonucleotide SE
C 261	10.4	41.6	13	1	ABCO4460	Oligonucleotide SE	C 334	10	40.0	13	1	ABF06831	Oligonucleotide SE
C 262	10.4	41.6	13	1	ABF94659	Oligonucleotide SE	C 335	10	40.0	13	1	ABC57138	Oligonucleotide SE
C 263	10.4	41.6	13	1	ABF71710	Oligonucleotide SE	C 336	10	40.0	13	1	ABC89708	Oligonucleotide SE
C 264	10.4	41.6	13	1	ABF64818	Oligonucleotide SE	C 337	10	40.0	13	1	ABC90673	Oligonucleotide SE
C 265	10.4	41.6	13	1	AAF76435	Paired domain co-s	C 338	10	40.0	13	1	ABC16984	Oligonucleotide SE
C 266	10.4	41.6	13	1	AAF76433	Paired domain co-s	C 339	10	40.0	13	1	ABF43836	Oligonucleotide SE
C 267	10.4	40.0	10	1	AAZ81397	Metastatic breast	C 340	10	40.0	13	1	ABH20888	Oligonucleotide SE
C 268	10	40.0	11	1	ABV67349	Human skin EST 513	C 341	10	40.0	13	1	ABH16233	Oligonucleotide SE
C 269	10	40.0	11	1	ADQ33075	Human facial skin-	C 342	10	40.0	13	1	ABH50754	Oligonucleotide SE
C 270	10	40.0	12	1	ABH90067	Oligonucleotide pr	C 343	10	40.0	13	1	ABC711257	Oligonucleotide SE
C 271	10	40.0	12	1	ABH74373	Oligonucleotide pr	C 344	10	40.0	13	1	ABC00175	Oligonucleotide SE
C 272	10	40.0	12	1	ABH78015	Oligonucleotide pr	C 345	10	40.0	13	1	ABC31641	Oligonucleotide SE
C 273	10	40.0	12	1	ABH84676	Oligonucleotide pr	C 346	10	40.0	13	1	ABC41568	Oligonucleotide SE
C 274	10	40.0	12	1	ABH77978	Oligonucleotide pr	C 347	10	40.0	13	1	ABF72192	Oligonucleotide SE
C 275	10	40.0	12	1	ABT24753	Oligonucleotide pr	C 348	10	40.0	13	1	ABH23341	Oligonucleotide SE
C 276	10	40.0	12	1	ABT29404	Oligonucleotide pr	C 349	10	40.0	13	1	ABH28303	Oligonucleotide SE
C 277	10	40.0	12	1	ABT40850	Oligonucleotide pr	C 350	10	40.0	13	1	ABF55162	Oligonucleotide SE
C 278	10	40.0	12	1	ABT31909	Oligonucleotide pr	C 351	10	40.0	13	1	ABH31386	Oligonucleotide SE
C 279	10	40.0	12	1	ABT46669	Oligonucleotide pr	C 352	10	40.0	13	1	ABH07456	Oligonucleotide SE
C 280	10	40.0	12	1	ABT15224	Oligonucleotide pr	C 353	10	40.0	13	1	ABC20528	Oligonucleotide SE
C 281	10	40.0	12	1	ABT40580	Oligonucleotide pr	C 354	10	40.0	13	1	ABC02783	Oligonucleotide SE
C 282	10	40.0	12	1	ABT76751	Oligonucleotide pr	C 355	10	40.0	13	1	ABC34513	Oligonucleotide SE
C 283	10	40.0	12	1	ABT65444	Oligonucleotide pr	C 356	10	40.0	13	1	ABC12846	Oligonucleotide SE
C 284	10	40.0	12	1	ABT08696	Oligonucleotide pr	C 357	10	40.0	13	1	ABF39427	Oligonucleotide SE
C 285	10	40.0	12	1	ABT80088	Oligonucleotide pr	C 358	10	40.0	13	1	ABH27072	Oligonucleotide SE
C 286	10	40.0	12	1	ABH96111	Oligonucleotide pr	C 359	10	40.0	13	1	ABH33729	Oligonucleotide SE
C 287	10	40.0	12	1	ABT29839	Oligonucleotide pr	C 360	10	40.0	13	1	ABF65383	Oligonucleotide SE
C 288	10	40.0	12	1	ABT57891	Oligonucleotide pr	C 361	10	40.0	13	1	ABH16232	Oligonucleotide SE
C 289	10	40.0	12	1	ABT63447	Oligonucleotide pr	C 362	10	40.0	13	1	ABF66483	Oligonucleotide SE
C 290	10	40.0	12	1	ABT62515	Oligonucleotide pr	C 363	10	40.0	13	1	ABH47112	Oligonucleotide SE
C 291	10	40.0	12	1	ABH71419	Oligonucleotide pr	C 364	10	40.0	13	1	ABC98810	Oligonucleotide SE
C 292	10	40.0	12	1	ABH92414	Oligonucleotide pr	C 365	10	40.0	13	1	ABC75198	Oligonucleotide SE
C 293	10	40.0	12	1	ABT32702	Oligonucleotide pr	C 366	10	40.0	13	1	ABC06573	Oligonucleotide SE
C 294	10	40.0	12	1	ABT68714	Oligonucleotide pr	C 367	10	40.0	13	1	ABC35124	Oligonucleotide SE
C 295	10	40.0	12	1	ABT55461	Oligonucleotide pr	C 368	10	40.0	13	1	ABC41569	Oligonucleotide SE
C 296	10	40.0	12	1	ABT35699	Oligonucleotide pr	C 369	10	40.0	13	1	ABF26823	Oligonucleotide SE
C 297	10	40.0	12	1	ABT38865	Oligonucleotide pr	C 370	10	40.0	13	1	ABF38869	Oligonucleotide SE
C 298	10	40.0	12	1	ABT51698	Oligonucleotide pr	C 371	10	40.0	13	1	ABH28302	Oligonucleotide SE
C 299	10	40.0	12	1	ABT51232	Oligonucleotide pr	C 372	10	40.0	13	1	ABH39185	Oligonucleotide SE
C 300	10	40.0	12	1	ABT68973	Oligonucleotide pr	C 373	10	40.0	13	1	ABC89709	Oligonucleotide SE
C 301	10	40.0	12	1	ABT70942	Oligonucleotide pr	C 374	10	40.0	13	1	ABF29598	Oligonucleotide SE
C 302	10	40.0	12	1	ABH69116	Oligonucleotide pr	C 375	10	40.0	13	1	ABF44387	Oligonucleotide SE
C 303	10	40.0	12	1	ABH69442	Oligonucleotide pr	C 376	10	40.0	13	1	ABF70739	Oligonucleotide SE
C 304	10	40.0	12	1	ABT41127	Oligonucleotide pr	C 377	10	40.0	13	1	ABH30146	Oligonucleotide SE
C 305	10	40.0	12	1	ABT49398	Oligonucleotide pr	C 378	10	40.0	13	1	ABH08020	Oligonucleotide SE
C 306	10	40.0	12	1	ABH97491	Oligonucleotide pr	C 379	10	40.0	13	1	ABH08021	Oligonucleotide SE
C 307	10	40.0	12	1	ABT28167	Oligonucleotide pr	C 380	10	40.0	13	1	ABC01800	Oligonucleotide SE
C 308	10	40.0	12	1	ABT13435	Oligonucleotide pr	C 381	10	40.0	13	1	ABC26511	Oligonucleotide SE
C 309	10	40.0	12	1	ABT40923	Oligonucleotide pr	C 382	10	40.0	13	1	ABC31640	Oligonucleotide SE
C 310	10	40.0	12	1	ABT32121	Oligonucleotide pr	C 383	10	40.0	13	1	ABC35125	Oligonucleotide SE
C 311	10	40.0	12	1	ABT47231	Oligonucleotide pr	C 384	10	40.0	13	1	ABH33728	Oligonucleotide SE
C 312	10	40.0	12	1	ADP78526	Chromosomal abnorm	C 385	10	40.0	13	1	ABH48793	Oligonucleotide SE
C 313	10	40.0	12	1	ADR98102	Human chromosome 2	C 386	10	40.0	13	1	ABC20529	Oligonucleotide SE
C 314	10	40.0	12	1	ADS08789	Human DNA PCR prim	C 387	10	40.0	13	1	ABC01760	Oligonucleotide SE
C 315	10	40.0	13	1	ABC43260	Oligonucleotide SE	C 388	10	40.0	13	1	ABF76801	Oligonucleotide SE
C 316	10	40.0	13	1	ABC01801	Oligonucleotide SE	C 389	10	40.0	13	1	ABC27156	Oligonucleotide SE
C 317	10	40.0	13	1	ABC76800	Oligonucleotide SE	C 390	10	40.0	13	1	ABC55582	Oligonucleotide SE
C 318	10	40.0	13	1	ABC77936	Oligonucleotide SE	C 391	10	40.0	13	1	ABC57139	Oligonucleotide SE
C 319	10	40.0	13	1	ABC64370	Oligonucleotide SE	C 392	10	40.0	13	1	ABF44386	Oligonucleotide SE
C 320	10	40.0	13	1	ABC38868	Oligonucleotide SE	C 393	10	40.0	13	1	ABH31387	Oligonucleotide SE
C 321	10	40.0	13	1	ABF68224	Oligonucleotide SE	C 394	10	40.0	13	1	ABH16035	Oligonucleotide SE
C 322	10	40.0	13	1	ABF95472	Oligonucleotide SE	C 395	10	40.0	13	1	ABH58580	Oligonucleotide SE
C 323	10	40.0	13	1	ABF46986	Oligonucleotide SE	C 396	10	40.0	13	1	ABC43261	Oligonucleotide SE
C 324	10	40.0	13	1	ABH23340	Oligonucleotide SE	C 397	10	40.0	13	1	ABC26510	Oligonucleotide SE
C 325	10	40.0	13	1	ABF55163	Oligonucleotide SE	C 398	10	40.0	13	1	ABC90672	Oligonucleotide SE

C 399	10	40.0	13	1	ABP95473	Oligonucleotide SE	C 472	9.8	39.2	13	1	ABC97759	Oligonucleotide SE
400	10	40.0	13	1	ABF85116	Oligonucleotide SE	C 473	9.8	39.2	13	1	ABF00593	Oligonucleotide SE
C 401	10	40.0	13	1	ABF66482	Oligonucleotide SE	C 474	9.8	39.2	13	1	ABF00657	Oligonucleotide SE
C 402	10	40.0	13	1	ABC78050	Oligonucleotide SE	C 475	9.8	39.2	13	1	ABC002791	Oligonucleotide SE
C 403	10	40.0	13	1	ABC57454	Oligonucleotide SE	C 476	9.8	39.2	13	1	ABC004147	Oligonucleotide SE
C 404	10	40.0	13	1	ABC57455	Oligonucleotide SE	C 477	9.8	39.2	13	1	ABC004147	Oligonucleotide SE
405	10	40.0	13	1	ABF09871	Oligonucleotide SE	C 478	9.8	39.2	13	1	ABF06252	Oligonucleotide SE
C 406	10	40.0	13	1	ABC34835	Oligonucleotide SE	C 479	9.8	39.2	13	1	ABC31659	Oligonucleotide SE
C 407	10	40.0	13	1	ABC14649	Oligonucleotide SE	480	9.8	39.2	13	1	ABC60060	Oligonucleotide SE
408	10	40.0	13	1	ABF29599	Oligonucleotide SE	C 481	9.8	39.2	13	1	ABC41223	Oligonucleotide SE
C 409	10	40.0	13	1	ABF51262	Oligonucleotide SE	C 482	9.8	39.2	13	1	ABF32826	Oligonucleotide SE
C 410	10	40.0	13	1	ABH27073	Oligonucleotide SE	483	9.8	39.2	13	1	ABH22070	Oligonucleotide SE
C 411	10	40.0	13	1	ABH13354	Oligonucleotide SE	C 484	9.8	39.2	13	1	ABF74778	Oligonucleotide SE
412	10	40.0	13	1	ABH48523	Oligonucleotide SE	485	9.8	39.2	13	1	ABF74779	Oligonucleotide SE
413	10	40.0	13	1	ABC27143	Oligonucleotide SE	C 486	9.8	39.2	13	1	ABH03663	Oligonucleotide SE
414	10	40.0	13	1	ABC05060	Oligonucleotide SE	487	9.8	39.2	13	1	ABF53883	Oligonucleotide SE
415	10	40.0	13	1	ABC34512	Oligonucleotide SE	488	9.8	39.2	13	1	ABF79518	Oligonucleotide SE
C 416	10	40.0	13	1	ABC34834	Oligonucleotide SE	C 489	9.8	39.2	13	1	ABH29691	Oligonucleotide SE
417	10	40.0	13	1	ABC14648	Oligonucleotide SE	C 490	9.8	39.2	13	1	ABF79699	Oligonucleotide SE
C 418	10	40.0	13	1	ABC16985	Oligonucleotide SE	C 491	9.8	39.2	13	1	ABH37555	Oligonucleotide SE
C 419	10	40.0	13	1	ABF43837	Oligonucleotide SE	492	9.8	39.2	13	1	ABH41293	Oligonucleotide SE
C 420	10	40.0	13	1	ABH20222	Oligonucleotide SE	493	9.8	39.2	13	1	ABH47346	Oligonucleotide SE
C 421	10	40.0	13	1	ABF70738	Oligonucleotide SE	C 494	9.8	39.2	13	1	ABH59907	Oligonucleotide SE
C 422	10	40.0	13	1	ABF72193	Oligonucleotide SE	C 495	9.8	39.2	13	1	ABH59909	Oligonucleotide SE
C 423	10	40.0	13	1	ABF51263	Oligonucleotide SE	496	9.8	39.2	13	1	ABC94076	Oligonucleotide SE
424	10	40.0	13	1	ABH30147	Oligonucleotide SE	497	9.8	39.2	13	1	ABC19471	Oligonucleotide SE
C 425	10	40.0	13	1	ABF88153	Oligonucleotide SE	498	9.8	39.2	13	1	ABC69693	Oligonucleotide SE
C 426	10	40.0	13	1	ABH39184	Oligonucleotide SE	C 499	9.8	39.2	13	1	ABC95045	Oligonucleotide SE
C 427	10	40.0	13	1	ABH47113	Oligonucleotide SE	500	9.8	39.2	13	1	ABC0761	Oligonucleotide SE
C 428	10	40.0	13	1	ABC71256	Oligonucleotide SE	C 501	9.8	39.2	13	1	ABC21397	Oligonucleotide SE
C 429	10	40.0	13	1	ABC98811	Oligonucleotide SE	502	9.8	39.2	13	1	ABC97756	Oligonucleotide SE
C 430	10	40.0	13	1	ABC75199	Oligonucleotide SE	C 503	9.8	39.2	13	1	ABC98301	Oligonucleotide SE
C 431	10	40.0	13	1	ABC77937	Oligonucleotide SE	C 504	9.8	39.2	13	1	ABC49377	Oligonucleotide SE
C 432	10	40.0	13	1	ABC78051	Oligonucleotide SE	C 505	9.8	39.2	13	1	ABC78359	Oligonucleotide SE
C 433	10	40.0	13	1	ABC05061	Oligonucleotide SE	506	9.8	39.2	13	1	ABC55490	Oligonucleotide SE
C 434	10	40.0	13	1	ABF92241	Oligonucleotide SE	507	9.8	39.2	13	1	ABC82644	Oligonucleotide SE
C 435	10	40.0	13	1	ABH58581	Oligonucleotide SE	C 508	9.8	39.2	13	1	ABC11518	Oligonucleotide SE
C 436	10	40.0	13	1	ABF01090	Oligonucleotide SE	509	9.8	39.2	13	1	ABC39442	Oligonucleotide SE
C 437	10	40.0	13	1	ABC01761	Oligonucleotide SE	C 510	9.8	39.2	13	1	ABC39799	Oligonucleotide SE
438	10	40.0	13	1	ABC27157	Oligonucleotide SE	511	9.8	39.2	13	1	ABC16773	Oligonucleotide SE
C 439	10	40.0	13	1	ABC86925	Oligonucleotide SE	512	9.8	39.2	13	1	ABF69682	Oligonucleotide SE
C 440	10	40.0	13	1	ABH20889	Oligonucleotide SE	C 513	9.8	39.2	13	1	ABF69730	Oligonucleotide SE
C 441	10	40.0	13	1	ABF85117	Oligonucleotide SE	514	9.8	39.2	13	1	ABF73698	Oligonucleotide SE
C 442	10	40.0	13	1	ABH37947	Oligonucleotide SE	C 515	9.8	39.2	13	1	ABH25344	Oligonucleotide SE
443	10	40.0	13	1	ABH13355	Oligonucleotide SE	516	9.8	39.2	13	1	ABF83527	Oligonucleotide SE
444	10	40.0	13	1	ABF65382	Oligonucleotide SE	517	9.8	39.2	13	1	ABF65864	Oligonucleotide SE
445	10	40.0	13	1	ABF92240	Oligonucleotide SE	C 518	9.8	39.2	13	1	ABH41317	Oligonucleotide SE
446	10	40.0	13	1	ABH48792	Oligonucleotide SE	519	9.8	39.2	13	1	ABH53464	Oligonucleotide SE
C 447	10	40.0	13	1	ABC70174	Oligonucleotide SE	520	9.8	39.2	13	1	ABH59908	Oligonucleotide SE
448	10	40.0	13	1	ABC70175	Oligonucleotide SE	C 521	9.8	39.2	13	1	ABC42552	Oligonucleotide SE
C 449	10	40.0	13	1	ABC00174	Oligonucleotide SE	C 522	9.8	39.2	13	1	ABC69692	Oligonucleotide SE
C 450	10	40.0	13	1	ABF01091	Oligonucleotide SE	523	9.8	39.2	13	1	ABC98520	Oligonucleotide SE
C 451	10	40.0	13	1	ABF02174	Oligonucleotide SE	524	9.8	39.2	13	1	ABC53060	Oligonucleotide SE
452	10	40.0	13	1	ABC06672	Oligonucleotide SE	C 525	9.8	39.2	13	1	ABC04144	Oligonucleotide SE
C 453	10	40.0	13	1	ABF09870	Oligonucleotide SE	526	9.8	39.2	13	1	ABC05587	Oligonucleotide SE
C 454	10	40.0	13	1	ABC63783	Oligonucleotide SE	C 527	9.8	39.2	13	1	ABC63644	Oligonucleotide SE
455	10	40.0	13	1	ABC64371	Oligonucleotide SE	528	9.8	39.2	13	1	ABC41222	Oligonucleotide SE
456	10	40.0	13	1	ABH20223	Oligonucleotide SE	C 529	9.8	39.2	13	1	ABF69685	Oligonucleotide SE
C 457	10	40.0	13	1	ABC02782	Oligonucleotide SE	C 530	9.8	39.2	13	1	ABF96329	Oligonucleotide SE
C 458	10	40.0	13	1	ABF06830	Oligonucleotide SE	C 531	9.8	39.2	13	1	ABF74139	Oligonucleotide SE
C 459	10	40.0	13	1	ABC63782	Oligonucleotide SE	532	9.8	39.2	13	1	ABH24485	Oligonucleotide SE
C 460	10	40.0	13	1	ABF26822	Oligonucleotide SE	C 533	9.8	39.2	13	1	ABF75284	Oligonucleotide SE
C 461	10	40.0	13	1	ABF68225	Oligonucleotide SE	534	9.8	39.2	13	1	ABF53978	Oligonucleotide SE
C 462	10	40.0	13	1	ABF46987	Oligonucleotide SE	C 535	9.8	39.2	13	1	ABH31963	Oligonucleotide SE
C 463	10	40.0	13	1	ABF88152	Oligonucleotide SE	536	9.8	39.2	13	1	ABH07954	Oligonucleotide SE
C 464	10	40.0	13	1	ABH16034	Oligonucleotide SE	C 537	9.8	39.2	13	1	ABH16907	Oligonucleotide SE
C 465	10	40.0	13	1	ABH48522	Oligonucleotide SE	C 538	9.8	39.2	13	1	ABF66829	Oligonucleotide SE
C 466	10	40.0	13	1	ABH50755	Oligonucleotide SE	C 539	9.8	39.2	13	1	ABF66955	Oligonucleotide SE
C 467	9.8	39.2	13	1	AAQ20025	Cross-linking agen	540	9.8	39.2	13	1	ABH48938	Oligonucleotide SE
C 468	9.8	39.2	13	1	AAQ30259	Oligomer HIV156 fo	C 541	9.8	39.2	13	1	ABC68629	Oligonucleotide SE
C 469	9.8	39.2	13	1	ABC21398	Oligonucleotide SE	542	9.8	39.2	13	1	ABC70587	Oligonucleotide SE
470	9.8	39.2	13	1	ABC47141	Oligonucleotide SE	543	9.8	39.2	13	1	ABC21396	Oligonucleotide SE
C 471	9.8	39.2	13	1	ABC97757	Oligonucleotide SE	C 544	9.8	39.2	13	1	ABC49375	Oligonucleotide SE

545	9.8	39.2	13	1	ABC02790	Oligonucleotide SE
546	9.8	39.2	13	1	ABF06947	Oligonucleotide SE
547	9.8	39.2	13	1	ABC60061	Oligonucleotide SE
548	9.8	39.2	13	1	ABC39443	Oligonucleotide SE
549	9.8	39.2	13	1	ABC65179	Oligonucleotide SE
550	9.8	39.2	13	1	ABC16770	Oligonucleotide SE
551	9.8	39.2	13	1	ABC41524	Oligonucleotide SE
552	9.8	39.2	13	1	ABC921170	Oligonucleotide SE
553	9.8	39.2	13	1	ABF19192	Oligonucleotide SE
554	9.8	39.2	13	1	ABH18776	Oligonucleotide SE
555	9.8	39.2	13	1	ABF69683	Oligonucleotide SE
556	9.8	39.2	13	1	ABF95931	Oligonucleotide SE
557	9.8	39.2	13	1	ABH24334	Oligonucleotide SE
558	9.8	39.2	13	1	ABH24403	Oligonucleotide SE
559	9.8	39.2	13	1	ABF75285	Oligonucleotide SE
560	9.8	39.2	13	1	ABF79519	Oligonucleotide SE
561	9.8	39.2	13	1	ABF56401	Oligonucleotide SE
562	9.8	39.2	13	1	ABF81747	Oligonucleotide SE
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564	9.8	39.2	13	1	ABF583340	Oligonucleotide SE
565	9.8	39.2	13	1	ABH316762	Oligonucleotide SE
566	9.8	39.2	13	1	ABF62804	Oligonucleotide SE
567	9.8	39.2	13	1	ABF66954	Oligonucleotide SE
568	9.8	39.2	13	1	ABH56954	Oligonucleotide SE
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570	9.8	39.2	13	1	ABC25621	Oligonucleotide SE
571	9.8	39.2	13	1	ABC08624	Oligonucleotide SE
572	9.8	39.2	13	1	ABC12827	Oligonucleotide SE
573	9.8	39.2	13	1	ABC41525	Oligonucleotide SE
574	9.8	39.2	13	1	ABF267770	Oligonucleotide SE
575	9.8	39.2	13	1	ABF41610	Oligonucleotide SE
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577	9.8	39.2	13	1	ABH28294	Oligonucleotide SE
578	9.8	39.2	13	1	ABH03664	Oligonucleotide SE
579	9.8	39.2	13	1	ABF54213	Oligonucleotide SE
580	9.8	39.2	13	1	ABF83525	Oligonucleotide SE
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582	9.8	39.2	13	1	ABH41738	Oligonucleotide SE
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584	9.8	39.2	13	1	ABC45597	Oligonucleotide SE
585	9.8	39.2	13	1	ABC25620	Oligonucleotide SE
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589	9.8	39.2	13	1	ABC57334	Oligonucleotide SE
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591	9.8	39.2	13	1	ABC11519	Oligonucleotide SE
592	9.8	39.2	13	1	ABC65178	Oligonucleotide SE
593	9.8	39.2	13	1	ABF32827	Oligonucleotide SE
594	9.8	39.2	13	1	ABF40569	Oligonucleotide SE
595	9.8	39.2	13	1	ABF95913	Oligonucleotide SE
596	9.8	39.2	13	1	ABH22071	Oligonucleotide SE
597	9.8	39.2	13	1	ABH28295	Oligonucleotide SE
598	9.8	39.2	13	1	ABF54212	Oligonucleotide SE
599	9.8	39.2	13	1	ABF79700	Oligonucleotide SE
600	9.8	39.2	13	1	ABH31965	Oligonucleotide SE
601	9.8	39.2	13	1	ABF59014	Oligonucleotide SE
602	9.8	39.2	13	1	ABF64824	Oligonucleotide SE
603	9.8	39.2	13	1	ABH53397	Oligonucleotide SE
604	9.8	39.2	13	1	ABH55557	Oligonucleotide SE
605	9.8	39.2	13	1	ABH57617	Oligonucleotide SE
606	9.8	39.2	13	1	ABH59906	Oligonucleotide SE
607	9.8	39.2	13	1	ABC67479	Oligonucleotide SE
608	9.8	39.2	13	1	ABC70760	Oligonucleotide SE
609	9.8	39.2	13	1	ABC78358	Oligonucleotide SE
610	9.8	39.2	13	1	ABC57939	Oligonucleotide SE
611	9.8	39.2	13	1	ABC35133	Oligonucleotide SE
612	9.8	39.2	13	1	ABC88883	Oligonucleotide SE
613	9.8	39.2	13	1	ABC921171	Oligonucleotide SE
614	9.8	39.2	13	1	ABF38656	Oligonucleotide SE
615	9.8	39.2	13	1	ABH18615	Oligonucleotide SE
616	9.8	39.2	13	1	ABF48748	Oligonucleotide SE
617	9.8	39.2	13	1	ABF48749	Oligonucleotide SE
618	9.8	39.2	13	1	ABH26083	Oligonucleotide SE
619	9.8	39.2	13	1	ABF79701	Oligonucleotide SE
620	9.8	39.2	13	1	ABF83526	Oligonucleotide SE
621	9.8	39.2	13	1	ABF86978	Oligonucleotide SE
622	9.8	39.2	13	1	ABH42007	Oligonucleotide SE
623	9.8	39.2	13	1	ABC19470	Oligonucleotide SE
624	9.8	39.2	13	1	ABC69535	Oligonucleotide SE
625	9.8	39.2	13	1	ABC49374	Oligonucleotide SE
626	9.8	39.2	13	1	ABF00592	Oligonucleotide SE
627	9.8	39.2	13	1	ABC81006	Oligonucleotide SE
628	9.8	39.2	13	1	ABC82645	Oligonucleotide SE
629	9.8	39.2	13	1	ABC88882	Oligonucleotide SE
630	9.8	39.2	13	1	ABC40943	Oligonucleotide SE
631	9.8	39.2	13	1	ABF36296	Oligonucleotide SE
632	9.8	39.2	13	1	ABF95090	Oligonucleotide SE
633	9.8	39.2	13	1	ABH20399	Oligonucleotide SE
634	9.8	39.2	13	1	ABH21040	Oligonucleotide SE
635	9.8	39.2	13	1	ABF74138	Oligonucleotide SE
636	9.8	39.2	13	1	ABF77414	Oligonucleotide SE
637	9.8	39.2	13	1	ABH03309	Oligonucleotide SE
638	9.8	39.2	13	1	ABF53882	Oligonucleotide SE
639	9.8	39.2	13	1	ABH29690	Oligonucleotide SE
640	9.8	39.2	13	1	ABH37533	Oligonucleotide SE
641	9.8	39.2	13	1	ABF62805	Oligonucleotide SE
642	9.8	39.2	13	1	ABF64825	Oligonucleotide SE
643	9.8	39.2	13	1	ABH41316	Oligonucleotide SE
644	9.8	39.2	13	1	ABF66996	Oligonucleotide SE
645	9.8	39.2	13	1	ABH60173	Oligonucleotide SE
646	9.8	39.2	13	1	ABC68628	Oligonucleotide SE
647	9.8	39.2	13	1	ABC49376	Oligonucleotide SE
648	9.8	39.2	13	1	ABC04146	Oligonucleotide SE
649	9.8	39.2	13	1	ABC04146	Oligonucleotide SE
650	9.8	39.2	13	1	ABF06253	Oligonucleotide SE
651	9.8	39.2	13	1	ABC12826	Oligonucleotide SE
652	9.8	39.2	13	1	ABC90667	Oligonucleotide SE
653	9.8	39.2	13	1	ABF19394	Oligonucleotide SE
654	9.8	39.2	13	1	ABF32006	Oligonucleotide SE
655	9.8	39.2	13	1	ABF39979	Oligonucleotide SE
656	9.8	39.2	13	1	ABH21041	Oligonucleotide SE
657	9.8	39.2	13	1	ABH26082	Oligonucleotide SE
658	9.8	39.2	13	1	ABH03662	Oligonucleotide SE
659	9.8	39.2	13	1	ABF53884	Oligonucleotide SE
660	9.8	39.2	13	1	ABF81744	Oligonucleotide SE
661	9.8	39.2	13	1	ABF90989	Oligonucleotide SE
662	9.8	39.2	13	1	ABH42162	Oligonucleotide SE
663	9.8	39.2	13	1	ABH47296	Oligonucleotide SE
664	9.8	39.2	13	1	ABH62882	Oligonucleotide SE
665	9.8	39.2	13	1	ABH63549	Oligonucleotide SE
666	9.8	39.2	13	1	ABH66010	Oligonucleotide SE
667	9.8	39.2	13	1	ABC50950	Oligonucleotide SE
668	9.8	39.2	13	1	ABC07846	Oligonucleotide SE
669	9.8	39.2	13	1	ABC57335	Oligonucleotide SE
670	9.8	39.2	13	1	ABC39798	Oligonucleotide SE
671	9.8	39.2	13	1	ABC16772	Oligonucleotide SE
672	9.8	39.2	13	1	ABF33854	Oligonucleotide SE
673	9.8	39.2	13	1	ABF40568	Oligonucleotide SE
674	9.8	39.2	13	1	ABH18777	Oligonucleotide SE
675	9.8	39.2	13	1	ABF95091	Oligonucleotide SE
676	9.8	39.2	13	1	ABF95910	Oligonucleotide SE
677	9.8	39.2	13	1	ABH00267	Oligonucleotide SE
678	9.8	39.2	13	1	ABH31962	Oligonucleotide SE
679	9.8	39.2	13	1	ABH32620	Oligonucleotide SE
680	9.8	39.2	13	1	ABH37532	Oligonucleotide SE
681	9.8	39.2	13	1	ABF65865	Oligonucleotide SE
682	9.8	39.2	13	1	ABH41292	Oligonucleotide SE
683	9.8	39.2	13	1	ABH50250	Oligonucleotide SE
684	9.8	39.2	13	1	ABF00656	Oligonucleotide SE
685	9.8	39.2	13	1	ABC28692	Oligonucleotide SE
686	9.8	39.2	13	1	ABC04145	Oligonucleotide SE
687	9.8	39.2	13	1	ABF06250	Oligonucleotide SE
688	9.8	39.2	13	1	ABC57928	Oligonucleotide SE
689	9.8	39.2	13	1	ABC41523	Oligonucleotide SE
690	9.8	39.2	13	1	ABF18672	Oligonucleotide SE

691	9.8	39.2	13	1	ABF69731	Oligonucleotide SE
692	9.8	39.2	13	1	ABH20398	Oligonucleotide SE
693	9.8	39.2	13	1	ABH24402	Oligonucleotide SE
694	9.8	39.2	13	1	ABF77415	Oligonucleotide SE
695	9.8	39.2	13	1	ABF53085	Oligonucleotide SE
696	9.8	39.2	13	1	ABH33701	Oligonucleotide SE
697	9.8	39.2	13	1	ABH36763	Oligonucleotide SE
698	9.8	39.2	13	1	ABH16906	Oligonucleotide SE
699	9.8	39.2	13	1	ABH48027	Oligonucleotide SE
700	9.8	39.2	13	1	ABH49338	Oligonucleotide SE
701	9.8	39.2	13	1	ABH55558	Oligonucleotide SE
702	9.8	39.2	13	1	ABH62883	Oligonucleotide SE
703	9.8	39.2	13	1	ABH98300	Oligonucleotide SE
704	9.8	39.2	13	1	ABH50971	Oligonucleotide SE
705	9.8	39.2	13	1	ABH52879	Oligonucleotide SE
706	9.8	39.2	13	1	ABF06251	Oligonucleotide SE
707	9.8	39.2	13	1	ABH07847	Oligonucleotide SE
708	9.8	39.2	13	1	ABH57926	Oligonucleotide SE
709	9.8	39.2	13	1	ABH63645	Oligonucleotide SE
710	9.8	39.2	13	1	ABF19193	Oligonucleotide SE
711	9.8	39.2	13	1	ABF19195	Oligonucleotide SE
712	9.8	39.2	13	1	ABF33855	Oligonucleotide SE
713	9.8	39.2	13	1	ABH29679	Oligonucleotide SE
714	9.8	39.2	13	1	ABH18614	Oligonucleotide SE
715	9.8	39.2	13	1	ABF69684	Oligonucleotide SE
716	9.8	39.2	13	1	ABH24325	Oligonucleotide SE
717	9.8	39.2	13	1	ABH03665	Oligonucleotide SE
718	9.8	39.2	13	1	ABH29679	Oligonucleotide SE
719	9.8	39.2	13	1	ABH31025	Oligonucleotide SE
720	9.8	39.2	13	1	ABH31964	Oligonucleotide SE
721	9.8	39.2	13	1	ABH07833	Oligonucleotide SE
722	9.8	39.2	13	1	ABF58341	Oligonucleotide SE
723	9.8	39.2	13	1	ABH83524	Oligonucleotide SE
724	9.8	39.2	13	1	ABH10467	Oligonucleotide SE
725	9.8	39.2	13	1	ABF64376	Oligonucleotide SE
726	9.8	39.2	13	1	ABH48939	Oligonucleotide SE
727	9.8	39.2	13	1	ABH50251	Oligonucleotide SE
728	9.8	39.2	13	1	ABH53916	Oligonucleotide SE
729	9.8	39.2	13	1	ABH67478	Oligonucleotide SE
731	9.8	39.2	13	1	ABH68002	Oligonucleotide SE
732	9.8	39.2	13	1	ABH69534	Oligonucleotide SE
733	9.8	39.2	13	1	ABH95912	Oligonucleotide SE
734	9.8	39.2	13	1	ABH70586	Oligonucleotide SE
735	9.8	39.2	13	1	ABH47140	Oligonucleotide SE
736	9.8	39.2	13	1	ABH25013	Oligonucleotide SE
737	9.8	39.2	13	1	ABH01324	Oligonucleotide SE
738	9.8	39.2	13	1	ABH01325	Oligonucleotide SE
739	9.8	39.2	13	1	ABH14468	Oligonucleotide SE
740	9.8	39.2	13	1	ABH951745	Oligonucleotide SE
741	9.8	39.2	13	1	ABH17981	Oligonucleotide SE
742	9.8	39.2	13	1	ABH37981	Oligonucleotide SE
743	9.8	39.2	13	1	ABH64377	Oligonucleotide SE
744	9.8	39.2	13	1	ABH89621	Oligonucleotide SE
745	9.8	39.2	13	1	ABH90987	Oligonucleotide SE
746	9.8	39.2	13	1	ABH42006	Oligonucleotide SE
747	9.8	39.2	13	1	ABH42163	Oligonucleotide SE
748	9.8	39.2	13	1	ABH63548	Oligonucleotide SE
749	9.8	39.2	13	1	ABH96100	Oligonucleotide SE
750	9.8	39.2	13	1	ABH05586	Oligonucleotide SE
751	9.8	39.2	13	1	ABH35132	Oligonucleotide SE
752	9.8	39.2	13	1	ABH13563	Oligonucleotide SE
753	9.8	39.2	13	1	ABH90666	Oligonucleotide SE
754	9.8	39.2	13	1	ABH18673	Oligonucleotide SE
755	9.8	39.2	13	1	ABH39978	Oligonucleotide SE
756	9.8	39.2	13	1	ABH96328	Oligonucleotide SE
757	9.8	39.2	13	1	ABH96333	Oligonucleotide SE
758	9.8	39.2	13	1	ABH03308	Oligonucleotide SE
759	9.8	39.2	13	1	ABH56400	Oligonucleotide SE
760	9.8	39.2	13	1	ABH10466	Oligonucleotide SE
761	9.8	39.2	13	1	ABH86979	Oligonucleotide SE
762	9.8	39.2	13	1	ABH66828	Oligonucleotide SE
763	9.8	39.2	13	1	ABC42553	Oligonucleotide SE
764	9.8	39.2	13	1	ABC68003	Oligonucleotide SE
765	9.8	39.2	13	1	ABC96101	Oligonucleotide SE
766	9.8	39.2	13	1	ABC97758	Oligonucleotide SE
767	9.8	39.2	13	1	ABC50951	Oligonucleotide SE
768	9.8	39.2	13	1	ABC50970	Oligonucleotide SE
769	9.8	39.2	13	1	ABC52978	Oligonucleotide SE
770	9.8	39.2	13	1	ABC55491	Oligonucleotide SE
771	9.8	39.2	13	1	ABC13562	Oligonucleotide SE
772	9.8	39.2	13	1	ABC40942	Oligonucleotide SE
773	9.8	39.2	13	1	ABF41611	Oligonucleotide SE
774	9.8	39.2	13	1	ABH24484	Oligonucleotide SE
775	9.8	39.2	13	1	ABH25345	Oligonucleotide SE
776	9.8	39.2	13	1	ABH29678	Oligonucleotide SE
777	9.8	39.2	13	1	ABH31024	Oligonucleotide SE
778	9.8	39.2	13	1	ABH1746	Oligonucleotide SE
779	9.8	39.2	13	1	ABH34621	Oligonucleotide SE
780	9.8	39.2	13	1	ABH59015	Oligonucleotide SE
781	9.8	39.2	13	1	ABH37554	Oligonucleotide SE
782	9.8	39.2	13	1	ABH37980	Oligonucleotide SE
783	9.8	39.2	13	1	ABF66997	Oligonucleotide SE
784	9.8	39.2	13	1	ABH47297	Oligonucleotide SE
785	9.8	39.2	13	1	ABH47347	Oligonucleotide SE
786	9.8	39.2	13	1	ABH49339	Oligonucleotide SE
787	9.8	39.2	13	1	ABH53465	Oligonucleotide SE
788	9.8	39.2	13	1	ABH60172	Oligonucleotide SE
789	9.8	39.2	13	1	ABH63670	Oligonucleotide SE
790	9.8	39.2	13	1	ABH63671	Oligonucleotide SE
791	9.8	39.2	13	1	ABH94077	Oligonucleotide SE
792	9.8	39.2	13	1	ABH45596	Oligonucleotide SE
793	9.8	39.2	13	1	ABH21399	Oligonucleotide SE
794	9.8	39.2	13	1	ABC25012	Oligonucleotide SE
795	9.8	39.2	13	1	ABC28693	Oligonucleotide SE
796	9.8	39.2	13	1	ABC31658	Oligonucleotide SE
797	9.8	39.2	13	1	ABC08625	Oligonucleotide SE
798	9.8	39.2	13	1	ABC14469	Oligonucleotide SE
799	9.8	39.2	13	1	ABC16771	Oligonucleotide SE
800	9.8	39.2	13	1	ABC15222	Oligonucleotide SE
801	9.8	39.2	13	1	ABF26771	Oligonucleotide SE
802	9.8	39.2	13	1	ABF32007	Oligonucleotide SE
803	9.8	39.2	13	1	ABF36297	Oligonucleotide SE
804	9.8	39.2	13	1	ABF38657	Oligonucleotide SE
805	9.8	39.2	13	1	ABF39858	Oligonucleotide SE
806	9.8	39.2	13	1	ABF96332	Oligonucleotide SE
807	9.8	39.2	13	1	ABH00266	Oligonucleotide SE
808	9.8	39.2	13	1	ABF53979	Oligonucleotide SE
809	9.8	39.2	13	1	ABH79698	Oligonucleotide SE
810	9.8	39.2	13	1	ABH07832	Oligonucleotide SE
811	9.8	39.2	13	1	ABH89620	Oligonucleotide SE
812	9.8	39.2	13	1	ABF90988	Oligonucleotide SE
813	9.8	39.2	13	1	ABH41739	Oligonucleotide SE
814	9.8	39.2	13	1	ABH48026	Oligonucleotide SE
815	9.8	39.2	13	1	ABH57616	Oligonucleotide SE
816	9.8	39.2	13	1	ABH66011	Oligonucleotide SE
817	9.8	39.2	13	1	AAH37301	Oligonucleotide SE
818	9.8	39.2	14	1	AAV49189	rb gene antisense
819	9.8	39.2	14	1	ADF78325	Chromosomal abnorm
820	9.8	39.2	14	1	ADH53130	Human APC (adenoma
821	9.8	39.2	14	1	ADH70475	Human Vbeta gene r
822	9.8	39.2	14	1	ADR97901	Human APC DNA frag
823	9.8	39.2	14	1	ADS08585	Human DNA oligonuc
824	9.6	38.4	13	1	ABF57359	Oligonucleotide SE
825	9.6	38.4	13	1	ABC29702	Oligonucleotide SE
826	9.6	38.4	13	1	ABF46325	Oligonucleotide SE
827	9.6	38.4	13	1	ABH07410	Oligonucleotide SE
828	9.6	38.4	13	1	ABH07411	Oligonucleotide SE
829	9.6	38.4	13	1	ABC29703	Oligonucleotide SE
830	9.6	38.4	13	1	ABF57358	Oligonucleotide SE
831	9.6	38.4	13	1	ABF63007	Oligonucleotide SE
832	9.6	38.4	13	1	ABF63006	Oligonucleotide SE
833	9.6	38.4	13	1	ABF46324	Oligonucleotide SE
834	9.6	38.4	13	1	ADR35156	Human nicking agen
835	9.6	38.4	13	1	ADR35159	Human nicking agen
836	9.6	38.4	13	1	ADR35157	Human nicking agen

837	9.6	38.4	13	1	ADR35158	Human nicking agen	910	9.4	37.6	12	1	ABI16648	Oligonucleotide pr
838	9.4	37.6	11	1	AAF76421	Pax-6 P3 binding s	911	9.4	37.6	12	1	ABI46155	Oligonucleotide pr
839	9.4	37.6	11	1	AAF76423	Pax-6 P3 binding s	912	9.4	37.6	12	1	ABI49349	Oligonucleotide pr
840	9.4	37.6	11	1	ABV66878	Human skin EST 466	913	9.4	37.6	12	1	ABI49440	Oligonucleotide pr
841	9.4	37.6	11	1	ADO36402	Human hair-bearing	914	9.4	37.6	12	1	ABI50565	Oligonucleotide pr
842	9.4	37.6	11	1	ADO36037	Human hair-bearing	915	9.4	37.6	12	1	ABI52190	Oligonucleotide pr
843	9.4	37.6	11	1	ADO32380	Human facial skin-	916	9.4	37.6	12	1	ABI69462	Oligonucleotide pr
844	9.4	37.6	12	1	ABH68424	Oligonucleotide pr	917	9.4	37.6	12	1	ABI73638	Oligonucleotide pr
845	9.4	37.6	12	1	ABI19346	Oligonucleotide pr	918	9.4	37.6	12	1	ABI60717	Oligonucleotide pr
846	9.4	37.6	12	1	ABI27614	Oligonucleotide pr	919	9.4	37.6	12	1	ABI67047	Oligonucleotide pr
847	9.4	37.6	12	1	ABH82705	Oligonucleotide pr	920	9.4	37.6	12	1	ABI19436	Oligonucleotide pr
848	9.4	37.6	12	1	ABI33382	Oligonucleotide pr	921	9.4	37.6	12	1	ABH82031	Oligonucleotide pr
849	9.4	37.6	12	1	ABI34350	Oligonucleotide pr	922	9.4	37.6	12	1	ABI32177	Oligonucleotide pr
850	9.4	37.6	12	1	ABI36764	Oligonucleotide pr	923	9.4	37.6	12	1	ABI32474	Oligonucleotide pr
851	9.4	37.6	12	1	ABI39572	Oligonucleotide pr	924	9.4	37.6	12	1	ABI34890	Oligonucleotide pr
852	9.4	37.6	12	1	ABI16282	Oligonucleotide pr	925	9.4	37.6	12	1	ABH86227	Oligonucleotide pr
853	9.4	37.6	12	1	ABI44117	Oligonucleotide pr	926	9.4	37.6	12	1	ABH86748	Oligonucleotide pr
854	9.4	37.6	12	1	ABI70367	Oligonucleotide pr	927	9.4	37.6	12	1	ABI40763	Oligonucleotide pr
855	9.4	37.6	12	1	ABI72432	Oligonucleotide pr	928	9.4	37.6	12	1	ABI41049	Oligonucleotide pr
856	9.4	37.6	12	1	ABI74780	Oligonucleotide pr	929	9.4	37.6	12	1	ABI16266	Oligonucleotide pr
857	9.4	37.6	12	1	ABI66451	Oligonucleotide pr	930	9.4	37.6	12	1	ABI43269	Oligonucleotide pr
858	9.4	37.6	12	1	ABI18167	Oligonucleotide pr	931	9.4	37.6	12	1	ABI49002	Oligonucleotide pr
859	9.4	37.6	12	1	ABH93893	Oligonucleotide pr	932	9.4	37.6	12	1	ABI68218	Oligonucleotide pr
860	9.4	37.6	12	1	ABI10756	Oligonucleotide pr	933	9.4	37.6	12	1	ABI54819	Oligonucleotide pr
861	9.4	37.6	12	1	ABI38463	Oligonucleotide pr	934	9.4	37.6	12	1	ABI69196	Oligonucleotide pr
862	9.4	37.6	12	1	ABI39674	Oligonucleotide pr	935	9.4	37.6	12	1	ABI71683	Oligonucleotide pr
863	9.4	37.6	12	1	ABI42739	Oligonucleotide pr	936	9.4	37.6	12	1	ABI58862	Oligonucleotide pr
864	9.4	37.6	12	1	ABI49727	Oligonucleotide pr	937	9.4	37.6	12	1	ABI73442	Oligonucleotide pr
865	9.4	37.6	12	1	ABI54322	Oligonucleotide pr	938	9.4	37.6	12	1	ABI75122	Oligonucleotide pr
866	9.4	37.6	12	1	ABI56451	Oligonucleotide pr	939	9.4	37.6	12	1	ABI77982	Oligonucleotide pr
867	9.4	37.6	12	1	ABI61425	Oligonucleotide pr	940	9.4	37.6	12	1	ABI65626	Oligonucleotide pr
868	9.4	37.6	12	1	ABI66179	Oligonucleotide pr	941	9.4	37.6	12	1	ABH68567	Oligonucleotide pr
869	9.4	37.6	12	1	ABI19956	Oligonucleotide pr	942	9.4	37.6	12	1	ABH71894	Oligonucleotide pr
870	9.4	37.6	12	1	ABH96321	Oligonucleotide pr	943	9.4	37.6	12	1	ABH72594	Oligonucleotide pr
871	9.4	37.6	12	1	ABH74716	Oligonucleotide pr	944	9.4	37.6	12	1	ABH73131	Oligonucleotide pr
872	9.4	37.6	12	1	ABI26931	Oligonucleotide pr	945	9.4	37.6	12	1	ABI24034	Oligonucleotide pr
873	9.4	37.6	12	1	ABI03354	Oligonucleotide pr	946	9.4	37.6	12	1	ABH99864	Oligonucleotide pr
874	9.4	37.6	12	1	ABH78673	Oligonucleotide pr	947	9.4	37.6	12	1	ABH80813	Oligonucleotide pr
875	9.4	37.6	12	1	ABI30737	Oligonucleotide pr	948	9.4	37.6	12	1	ABH87727	Oligonucleotide pr
876	9.4	37.6	12	1	ABH80768	Oligonucleotide pr	949	9.4	37.6	12	1	ABI38147	Oligonucleotide pr
877	9.4	37.6	12	1	ABI08557	Oligonucleotide pr	950	9.4	37.6	12	1	ABI14356	Oligonucleotide pr
878	9.4	37.6	12	1	ABI63632	Oligonucleotide pr	951	9.4	37.6	12	1	ABI73865	Oligonucleotide pr
879	9.4	37.6	12	1	ABH69437	Oligonucleotide pr	952	9.4	37.6	12	1	ABI64027	Oligonucleotide pr
880	9.4	37.6	12	1	ABH69593	Oligonucleotide pr	953	9.4	37.6	12	1	ABI64631	Oligonucleotide pr
881	9.4	37.6	12	1	ABH70110	Oligonucleotide pr	954	9.4	37.6	12	1	ABI81983	Oligonucleotide pr
882	9.4	37.6	12	1	ABH75026	Oligonucleotide pr	955	9.4	37.6	12	1	ABH70294	Oligonucleotide pr
883	9.4	37.6	12	1	ABH75228	Oligonucleotide pr	956	9.4	37.6	12	1	ABI21068	Oligonucleotide pr
884	9.4	37.6	12	1	ABH78589	Oligonucleotide pr	957	9.4	37.6	12	1	ABI22278	Oligonucleotide pr
885	9.4	37.6	12	1	ABH78790	Oligonucleotide pr	958	9.4	37.6	12	1	ABI25211	Oligonucleotide pr
886	9.4	37.6	12	1	ABH84134	Oligonucleotide pr	959	9.4	37.6	12	1	ABH79674	Oligonucleotide pr
887	9.4	37.6	12	1	ABI35194	Oligonucleotide pr	960	9.4	37.6	12	1	ABH79674	Oligonucleotide pr
888	9.4	37.6	12	1	ABI11281	Oligonucleotide pr	961	9.4	37.6	12	1	ABH88832	Oligonucleotide pr
889	9.4	37.6	12	1	ABH87211	Oligonucleotide pr	962	9.4	37.6	12	1	ABI45136	Oligonucleotide pr
890	9.4	37.6	12	1	ABI41375	Oligonucleotide pr	963	9.4	37.6	12	1	ABI45608	Oligonucleotide pr
891	9.4	37.6	12	1	ABI16831	Oligonucleotide pr	964	9.4	37.6	12	1	ABI49999	Oligonucleotide pr
892	9.4	37.6	12	1	ABI44170	Oligonucleotide pr	965	9.4	37.6	12	1	ABI56698	Oligonucleotide pr
893	9.4	37.6	12	1	ABI51097	Oligonucleotide pr	966	9.4	37.6	12	1	ABI56714	Oligonucleotide pr
894	9.4	37.6	12	1	ABI68694	Oligonucleotide pr	967	9.4	37.6	12	1	ABI75630	Oligonucleotide pr
895	9.4	37.6	12	1	ABI70932	Oligonucleotide pr	968	9.4	37.6	12	1	ABI79382	Oligonucleotide pr
896	9.4	37.6	12	1	ABI59901	Oligonucleotide pr	969	9.4	37.6	12	1	ABH69579	Oligonucleotide pr
897	9.4	37.6	12	1	ABI73944	Oligonucleotide pr	970	9.4	37.6	12	1	ABI23508	Oligonucleotide pr
898	9.4	37.6	12	1	ABI77183	Oligonucleotide pr	971	9.4	37.6	12	1	ABH79989	Oligonucleotide pr
899	9.4	37.6	12	1	ABI65082	Oligonucleotide pr	972	9.4	37.6	12	1	ABH85973	Oligonucleotide pr
900	9.4	37.6	12	1	ABH67403	Oligonucleotide pr	973	9.4	37.6	12	1	ABH88143	Oligonucleotide pr
901	9.4	37.6	12	1	ABH73979	Oligonucleotide pr	974	9.4	37.6	12	1	ABH89245	Oligonucleotide pr
902	9.4	37.6	12	1	ABH99817	Oligonucleotide pr	975	9.4	37.6	12	1	ABH91371	Oligonucleotide pr
903	9.4	37.6	12	1	ABI27309	Oligonucleotide pr	976	9.4	37.6	12	1	ABI50650	Oligonucleotide pr
904	9.4	37.6	12	1	ABH77266	Oligonucleotide pr	977	9.4	37.6	12	1	ABI68249	Oligonucleotide pr
905	9.4	37.6	12	1	ABI30075	Oligonucleotide pr	978	9.4	37.6	12	1	ABI57706	Oligonucleotide pr
906	9.4	37.6	12	1	ABI06392	Oligonucleotide pr	979	9.4	37.6	12	1	ABI62967	Oligonucleotide pr
907	9.4	37.6	12	1	ABH84428	Oligonucleotide pr	980	9.4	37.6	12	1	ABI77653	Oligonucleotide pr
908	9.4	37.6	12	1	ABH84912	Oligonucleotide pr	981	9.4	37.6	12	1	ABI65156	Oligonucleotide pr
909	9.4	37.6	12	1	ABI40636	Oligonucleotide pr	982	9.4	37.6	12	1	ABH96989	Oligonucleotide pr

c 983	9.4	37.6	12	1	ABI25018	Oligonucleotide pr
c 984	9.4	37.6	12	1	ABI25199	Oligonucleotide pr
c 985	9.4	37.6	12	1	ABH73152	Oligonucleotide pr
c 986	9.4	37.6	12	1	ABI00825	Oligonucleotide pr
c 987	9.4	37.6	12	1	ABI02338	Oligonucleotide pr
c 988	9.4	37.6	12	1	ABI27643	Oligonucleotide pr
c 989	9.4	37.6	12	1	ABI05708	Oligonucleotide pr
c 990	9.4	37.6	12	1	ABI08023	Oligonucleotide pr
c 991	9.4	37.6	12	1	ABH8484	Oligonucleotide pr
c 992	9.4	37.6	12	1	ABI35733	Oligonucleotide pr
c 993	9.4	37.6	12	1	ABI36466	Oligonucleotide pr
c 994	9.4	37.6	12	1	ABI36736	Oligonucleotide pr
c 995	9.4	37.6	12	1	ABI37068	Oligonucleotide pr
c 996	9.4	37.6	12	1	ABI13232	Oligonucleotide pr
c 997	9.4	37.6	12	1	ABH8513	Oligonucleotide pr
c 998	9.4	37.6	12	1	ABI14424	Oligonucleotide pr
c 999	9.4	37.6	12	1	ABI39846	Oligonucleotide pr
1000	9.4	37.6	12	1	ABI15682	Oligonucleotide pr
c1001	9.4	37.6	12	1	ABI45732	Oligonucleotide pr
c1002	9.4	37.6	12	1	ABI56244	Oligonucleotide pr
c1003	9.4	37.6	12	1	ABI70197	Oligonucleotide pr
c1004	9.4	37.6	12	1	ABI60083	Oligonucleotide pr
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c1006	9.4	37.6	12	1	ABH71124	Oligonucleotide pr
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1008	9.4	37.6	12	1	ABH77207	Oligonucleotide pr
c1009	9.4	37.6	12	1	ABH78886	Oligonucleotide pr
1010	9.4	37.6	12	1	ABH80762	Oligonucleotide pr
1011	9.4	37.6	12	1	ABI31148	Oligonucleotide pr
1012	9.4	37.6	12	1	ABI32107	Oligonucleotide pr
c1013	9.4	37.6	12	1	ABH83649	Oligonucleotide pr
1014	9.4	37.6	12	1	ABI11498	Oligonucleotide pr
c1015	9.4	37.6	12	1	ABI12402	Oligonucleotide pr
1016	9.4	37.6	12	1	ABI113733	Oligonucleotide pr
1017	9.4	37.6	12	1	ABI113749	Oligonucleotide pr
1018	9.4	37.6	12	1	ABI114742	Oligonucleotide pr
c1019	9.4	37.6	12	1	ABI40961	Oligonucleotide pr
1020	9.4	37.6	12	1	ABI42505	Oligonucleotide pr
c1021	9.4	37.6	12	1	ABI43235	Oligonucleotide pr
c1022	9.4	37.6	12	1	ABI45256	Oligonucleotide pr
1023	9.4	37.6	12	1	ABI49362	Oligonucleotide pr
c1024	9.4	37.6	12	1	ABI49747	Oligonucleotide pr
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c1026	9.4	37.6	12	1	ABI59455	Oligonucleotide pr
1027	9.4	37.6	12	1	ABI60572	Oligonucleotide pr
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c1031	9.4	37.6	12	1	ABH73729	Oligonucleotide pr
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1034	9.4	37.6	12	1	ABH82146	Oligonucleotide pr
1035	9.4	37.6	12	1	ABI34567	Oligonucleotide pr
1036	9.4	37.6	12	1	ABH86102	Oligonucleotide pr
c1037	9.4	37.6	12	1	ABI50910	Oligonucleotide pr
1038	9.4	37.6	12	1	ABI70498	Oligonucleotide pr
1039	9.4	37.6	12	1	ABI58665	Oligonucleotide pr
1040	9.4	37.6	12	1	ABI73162	Oligonucleotide pr
1041	9.4	37.6	12	1	ABH69576	Oligonucleotide pr
c1042	9.4	37.6	12	1	ABI28386	Oligonucleotide pr
c1043	9.4	37.6	12	1	ABI05098	Oligonucleotide pr
c1044	9.4	37.6	12	1	ABH82230	Oligonucleotide pr
1045	9.4	37.6	12	1	ABH84111	Oligonucleotide pr
1046	9.4	37.6	12	1	ABH84256	Oligonucleotide pr
1047	9.4	37.6	12	1	ABI09870	Oligonucleotide pr
c1048	9.4	37.6	12	1	ABI38864	Oligonucleotide pr
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c1050	9.4	37.6	12	1	ABI45363	Oligonucleotide pr
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c1052	9.4	37.6	12	1	ABI52563	Oligonucleotide pr
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c1054	9.4	37.6	12	1	ABI78452	Oligonucleotide pr
1055	9.4	37.6	12	1	ABI117386	Oligonucleotide pr
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1057	9.4	37.6	12	1	ABI29064	Oligonucleotide pr
c1058	9.4	37.6	12	1	ABI32345	Oligonucleotide pr
1059	9.4	37.6	12	1	ABH83651	Oligonucleotide pr
1060	9.4	37.6	12	1	ABI09188	Oligonucleotide pr
1061	9.4	37.6	12	1	ABI35913	Oligonucleotide pr
1062	9.4	37.6	12	1	ABI13440	Oligonucleotide pr
1063	9.4	37.6	12	1	ABI39419	Oligonucleotide pr
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1067	9.4	37.6	12	1	ABH91971	Oligonucleotide pr
1068	9.4	37.6	12	1	ABI42263	Oligonucleotide pr
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1070	9.4	37.6	12	1	ABI55115	Oligonucleotide pr
1071	9.4	37.6	12	1	ABI55223	Oligonucleotide pr
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1073	9.4	37.6	12	1	ABI77868	Oligonucleotide pr
c1074	9.4	37.6	12	1	ABI20961	Oligonucleotide pr
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1076	9.4	37.6	12	1	ABI24347	Oligonucleotide pr
c1077	9.4	37.6	12	1	ABI07924	Oligonucleotide pr
c1078	9.4	37.6	12	1	ABI36539	Oligonucleotide pr
1079	9.4	37.6	12	1	ABI37385	Oligonucleotide pr
1080	9.4	37.6	12	1	ABI16803	Oligonucleotide pr
c1081	9.4	37.6	12	1	ABI48388	Oligonucleotide pr
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c1083	9.4	37.6	12	1	ABI61357	Oligonucleotide pr
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c1086	9.4	37.6	12	1	ABI80998	Oligonucleotide pr
1087	9.4	37.6	12	1	ABI81410	Oligonucleotide pr
c1088	9.4	37.6	12	1	ABH74742	Oligonucleotide pr
c1089	9.4	37.6	12	1	ABH77227	Oligonucleotide pr
c1090	9.4	37.6	12	1	ABH80083	Oligonucleotide pr
1091	9.4	37.6	12	1	ABI05945	Oligonucleotide pr
c1092	9.4	37.6	12	1	ABI33181	Oligonucleotide pr
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c1094	9.4	37.6	12	1	ABH86229	Oligonucleotide pr
1095	9.4	37.6	12	1	ABI49225	Oligonucleotide pr
1096	9.4	37.6	12	1	ABI55275	Oligonucleotide pr
c1097	9.4	37.6	12	1	ABI55665	Oligonucleotide pr
1098	9.4	37.6	12	1	ABI69506	Oligonucleotide pr
c1099	9.4	37.6	12	1	ABI71425	Oligonucleotide pr
c1100	9.4	37.6	12	1	ABI59188	Oligonucleotide pr
c1101	9.4	37.6	12	1	ABI73348	Oligonucleotide pr
c1102	9.4	37.6	12	1	ABI60932	Oligonucleotide pr
c1103	9.4	37.6	12	1	ABI77734	Oligonucleotide pr
1104	9.4	37.6	12	1	ABI63988	Oligonucleotide pr
1105	9.4	37.6	12	1	ABI77944	Oligonucleotide pr
c1106	9.4	37.6	12	1	ABI81406	Oligonucleotide pr
c1107	9.4	37.6	12	1	ADF78509	Chromosomal abnorm
c1108	9.4	37.6	12	1	ADRS98085	Human DNA PCR prim
c1109	9.4	37.6	12	1	ADRS08772	Human DNA PCR prim
c1110	9.4	37.6	13	1	AAA26823	Trichosporon sporo
c1111	9.4	37.6	13	1	ABC98862	Oligonucleotide SE
1112	9.4	37.6	13	1	ABC24785	Oligonucleotide SE
c1113	9.4	37.6	13	1	ABC03217	Oligonucleotide SE
1114	9.4	37.6	13	1	ABC04445	Oligonucleotide SE
c1115	9.4	37.6	13	1	ABC06465	Oligonucleotide SE
c1116	9.4	37.6	13	1	ABC32029	Oligonucleotide SE
1117	9.4	37.6	13	1	ABC33928	Oligonucleotide SE
c1118	9.4	37.6	13	1	ABC34191	Oligonucleotide SE
1119	9.4	37.6	13	1	ABC34814	Oligonucleotide SE
1120	9.4	37.6	13	1	ABC85696	Oligonucleotide SE
c1121	9.4	37.6	13	1	ABC85796	Oligonucleotide SE
1122	9.4	37.6	13	1	ABC86288	Oligonucleotide SE
1123	9.4	37.6	13	1	ABF11720	Oligonucleotide SE
c1124	9.4	37.6	13	1	ABF11721	Oligonucleotide SE
1125	9.4	37.6	13	1	ABC6344	Oligonucleotide SE
1126	9.4	37.6	13	1	ABC41102	Oligonucleotide SE
1127	9.4	37.6	13	1	ABC16976	Oligonucleotide SE
1128	9.4	37.6	13	1	ABC66325	Oligonucleotide SE





1275	9.4	37.6	13	1	ABC74012	Oligonucleotide SE	1348	9.4	37.6	13	1	ABH44158	Oligonucleotide SE
1276	9.4	37.6	13	1	ABC51461	Oligonucleotide SE	1349	9.4	37.6	13	1	ABH44303	Oligonucleotide SE
1277	9.4	37.6	13	1	ABC06464	Oligonucleotide SE	1350	9.4	37.6	13	1	ABH54002	Oligonucleotide SE
1278	9.4	37.6	13	1	ABC08254	Oligonucleotide SE	1351	9.4	37.6	13	1	ABH59211	Oligonucleotide SE
1279	9.4	37.6	13	1	ABC83767	Oligonucleotide SE	1352	9.4	37.6	13	1	ABH66099	Oligonucleotide SE
1280	9.4	37.6	13	1	ABC84461	Oligonucleotide SE	1353	9.4	37.6	13	1	ABC46086	Oligonucleotide SE
1281	9.4	37.6	13	1	ABC35279	Oligonucleotide SE	1354	9.4	37.6	13	1	ABC47385	Oligonucleotide SE
1282	9.4	37.6	13	1	ABC12439	Oligonucleotide SE	1355	9.4	37.6	13	1	ABC47385	Oligonucleotide SE
1283	9.4	37.6	13	1	ABC13976	Oligonucleotide SE	1356	9.4	37.6	13	1	ABC22480	Oligonucleotide SE
1284	9.4	37.6	13	1	ABC38762	Oligonucleotide SE	1357	9.4	37.6	13	1	ABC74013	Oligonucleotide SE
1285	9.4	37.6	13	1	ABC39966	Oligonucleotide SE	1358	9.4	37.6	13	1	ABF00062	Oligonucleotide SE
1286	9.4	37.6	13	1	ABF16808	Oligonucleotide SE	1359	9.4	37.6	13	1	ABF01320	Oligonucleotide SE
1287	9.4	37.6	13	1	ABF31711	Oligonucleotide SE	1360	9.4	37.6	13	1	ABC27612	Oligonucleotide SE
1288	9.4	37.6	13	1	ABF36263	Oligonucleotide SE	1361	9.4	37.6	13	1	ABC28779	Oligonucleotide SE
1289	9.4	37.6	13	1	ABF39648	Oligonucleotide SE	1362	9.4	37.6	13	1	ABC53971	Oligonucleotide SE
1290	9.4	37.6	13	1	ABF41430	Oligonucleotide SE	1363	9.4	37.6	13	1	ABF04674	Oligonucleotide SE
1291	9.4	37.6	13	1	ABF92798	Oligonucleotide SE	1364	9.4	37.6	13	1	ABC30665	Oligonucleotide SE
1292	9.4	37.6	13	1	ABF92799	Oligonucleotide SE	1365	9.4	37.6	13	1	ABC31101	Oligonucleotide SE
1293	9.4	37.6	13	1	ABF94828	Oligonucleotide SE	1366	9.4	37.6	13	1	ABC59319	Oligonucleotide SE
1294	9.4	37.6	13	1	ABF49567	Oligonucleotide SE	1367	9.4	37.6	13	1	ABC62889	Oligonucleotide SE
1295	9.4	37.6	13	1	ABH01778	Oligonucleotide SE	1368	9.4	37.6	13	1	ABC12441	Oligonucleotide SE
1296	9.4	37.6	13	1	ABH29158	Oligonucleotide SE	1369	9.4	37.6	13	1	ABC37770	Oligonucleotide SE
1297	9.4	37.6	13	1	ABH31362	Oligonucleotide SE	1370	9.4	37.6	13	1	ABC63884	Oligonucleotide SE
1298	9.4	37.6	13	1	ABH07083	Oligonucleotide SE	1371	9.4	37.6	13	1	ABC63885	Oligonucleotide SE
1299	9.4	37.6	13	1	ABF57005	Oligonucleotide SE	1372	9.4	37.6	13	1	ABC64102	Oligonucleotide SE
1300	9.4	37.6	13	1	ABH07937	Oligonucleotide SE	1373	9.4	37.6	13	1	ABC90212	Oligonucleotide SE
1301	9.4	37.6	13	1	ABH07996	Oligonucleotide SE	1374	9.4	37.6	13	1	ABC16977	Oligonucleotide SE
1302	9.4	37.6	13	1	ABF87123	Oligonucleotide SE	1375	9.4	37.6	13	1	ABF19968	Oligonucleotide SE
1303	9.4	37.6	13	1	ABH39610	Oligonucleotide SE	1376	9.4	37.6	13	1	ABF21559	Oligonucleotide SE
1304	9.4	37.6	13	1	ABF90743	Oligonucleotide SE	1377	9.4	37.6	13	1	ABF25048	Oligonucleotide SE
1305	9.4	37.6	13	1	ABF66116	Oligonucleotide SE	1378	9.4	37.6	13	1	ABF28392	Oligonucleotide SE
1306	9.4	37.6	13	1	ABH16966	Oligonucleotide SE	1379	9.4	37.6	13	1	ABF31171	Oligonucleotide SE
1307	9.4	37.6	13	1	ABH16967	Oligonucleotide SE	1380	9.4	37.6	13	1	ABF31708	Oligonucleotide SE
1308	9.4	37.6	13	1	ABH44302	Oligonucleotide SE	1381	9.4	37.6	13	1	ABF39649	Oligonucleotide SE
1309	9.4	37.6	13	1	ABH45188	Oligonucleotide SE	1382	9.4	37.6	13	1	ABF41328	Oligonucleotide SE
1310	9.4	37.6	13	1	ABH48889	Oligonucleotide SE	1383	9.4	37.6	13	1	ABH19816	Oligonucleotide SE
1311	9.4	37.6	13	1	ABH54061	Oligonucleotide SE	1384	9.4	37.6	13	1	ABF70313	Oligonucleotide SE
1312	9.4	37.6	13	1	ABH64626	Oligonucleotide SE	1385	9.4	37.6	13	1	ABF49562	Oligonucleotide SE
1313	9.4	37.6	13	1	ABH64745	Oligonucleotide SE	1386	9.4	37.6	13	1	ABF49566	Oligonucleotide SE
1314	9.4	37.6	13	1	ABH65981	Oligonucleotide SE	1387	9.4	37.6	13	1	ABF75126	Oligonucleotide SE
1315	9.4	37.6	13	1	ABC43188	Oligonucleotide SE	1388	9.4	37.6	13	1	ABH00775	Oligonucleotide SE
1316	9.4	37.6	13	1	ABC19763	Oligonucleotide SE	1389	9.4	37.6	13	1	ABH25988	Oligonucleotide SE
1317	9.4	37.6	13	1	ABC97298	Oligonucleotide SE	1390	9.4	37.6	13	1	ABH28017	Oligonucleotide SE
1318	9.4	37.6	13	1	ABC47384	Oligonucleotide SE	1391	9.4	37.6	13	1	ABF78832	Oligonucleotide SE
1319	9.4	37.6	13	1	ABC47384	Oligonucleotide SE	1392	9.4	37.6	13	1	ABF79122	Oligonucleotide SE
1320	9.4	37.6	13	1	ABC03218	Oligonucleotide SE	1393	9.4	37.6	13	1	ABF79123	Oligonucleotide SE
1321	9.4	37.6	13	1	ABC05457	Oligonucleotide SE	1394	9.4	37.6	13	1	ABF80854	Oligonucleotide SE
1322	9.4	37.6	13	1	ABC50663	Oligonucleotide SE	1395	9.4	37.6	13	1	ABH31396	Oligonucleotide SE
1323	9.4	37.6	13	1	ABC80974	Oligonucleotide SE	1396	9.4	37.6	13	1	ABH07609	Oligonucleotide SE
1324	9.4	37.6	13	1	ABC82270	Oligonucleotide SE	1397	9.4	37.6	13	1	ABF83263	Oligonucleotide SE
1325	9.4	37.6	13	1	ABC57233	Oligonucleotide SE	1398	9.4	37.6	13	1	ABH11926	Oligonucleotide SE
1326	9.4	37.6	13	1	ABC09068	Oligonucleotide SE	1399	9.4	37.6	13	1	ABF62532	Oligonucleotide SE
1327	9.4	37.6	13	1	ABC34815	Oligonucleotide SE	1400	9.4	37.6	13	1	ABH38583	Oligonucleotide SE
1328	9.4	37.6	13	1	ABC35758	Oligonucleotide SE	1401	9.4	37.6	13	1	ABH14422	Oligonucleotide SE
1329	9.4	37.6	13	1	ABC61289	Oligonucleotide SE	1402	9.4	37.6	13	1	ABH42517	Oligonucleotide SE
1330	9.4	37.6	13	1	ABC90211	Oligonucleotide SE	1403	9.4	37.6	13	1	ABH48922	Oligonucleotide SE
1331	9.4	37.6	13	1	ABF15810	Oligonucleotide SE	1404	9.4	37.6	13	1	ABH52589	Oligonucleotide SE
1332	9.4	37.6	13	1	ABF16740	Oligonucleotide SE	1405	9.4	37.6	13	1	ABF70396	Oligonucleotide SE
1333	9.4	37.6	13	1	ABF91908	Oligonucleotide SE	1406	9.4	37.6	13	1	ABF70397	Oligonucleotide SE
1334	9.4	37.6	13	1	ABF21558	Oligonucleotide SE	1407	9.4	37.6	13	1	ABC22481	Oligonucleotide SE
1335	9.4	37.6	13	1	ABF70582	Oligonucleotide SE	1408	9.4	37.6	13	1	ABC24252	Oligonucleotide SE
1336	9.4	37.6	13	1	ABF74399	Oligonucleotide SE	1409	9.4	37.6	13	1	ABC02303	Oligonucleotide SE
1337	9.4	37.6	13	1	ABF75090	Oligonucleotide SE	1410	9.4	37.6	13	1	ABC03219	Oligonucleotide SE
1338	9.4	37.6	13	1	ABH00583	Oligonucleotide SE	1411	9.4	37.6	13	1	ABC28778	Oligonucleotide SE
1339	9.4	37.6	13	1	ABF83262	Oligonucleotide SE	1412	9.4	37.6	13	1	ABC28822	Oligonucleotide SE
1340	9.4	37.6	13	1	ABH34135	Oligonucleotide SE	1413	9.4	37.6	13	1	ABC28823	Oligonucleotide SE
1341	9.4	37.6	13	1	ABF84829	Oligonucleotide SE	1414	9.4	37.6	13	1	ABC55246	Oligonucleotide SE
1342	9.4	37.6	13	1	ABF85343	Oligonucleotide SE	1415	9.4	37.6	13	1	ABC32154	Oligonucleotide SE
1343	9.4	37.6	13	1	ABH36991	Oligonucleotide SE	1416	9.4	37.6	13	1	ABC57232	Oligonucleotide SE
1344	9.4	37.6	13	1	ABH37700	Oligonucleotide SE	1417	9.4	37.6	13	1	ABC84052	Oligonucleotide SE
1345	9.4	37.6	13	1	ABF62533	Oligonucleotide SE	1418	9.4	37.6	13	1	ABC59320	Oligonucleotide SE
1346	9.4	37.6	13	1	ABH14423	Oligonucleotide SE	1419	9.4	37.6	13	1	ABC35063	Oligonucleotide SE
1347	9.4	37.6	13	1	ABF90298	Oligonucleotide SE	1420	9.4	37.6	13	1	ABC12162	Oligonucleotide SE

c1421	9.4	37.6	13	1	ABC12195	Oligonucleotide SE	1494	9.4	37.6	13	1	ABH15399	Oligonucleotide SE
c1422	9.4	37.6	13	1	ABC13722	Oligonucleotide SE	1495	9.4	37.6	13	1	ABF66079	Oligonucleotide SE
c1423	9.4	37.6	13	1	ABC38102	Oligonucleotide SE	c1496	9.4	37.6	13	1	ABF66117	Oligonucleotide SE
1424	9.4	37.6	13	1	ABC66015	Oligonucleotide SE	c1497	9.4	37.6	13	1	ABH44075	Oligonucleotide SE
c1425	9.4	37.6	13	1	ABC66324	Oligonucleotide SE	c1498	9.4	37.6	13	1	ABH44190	Oligonucleotide SE
c1426	9.4	37.6	13	1	ABF24066	Oligonucleotide SE	c1499	9.4	37.6	13	1	ABH45482	Oligonucleotide SE
c1427	9.4	37.6	13	1	ABF28264	Oligonucleotide SE	1500	9.4	37.6	13	1	ABH49364	Oligonucleotide SE
1428	9.4	37.6	13	1	ABF31892	Oligonucleotide SE	c1501	9.4	37.6	13	1	ABH64744	Oligonucleotide SE
1429	9.4	37.6	13	1	ABF40234	Oligonucleotide SE	1502	9.4	37.6	13	1	ABH64840	Oligonucleotide SE
c1430	9.4	37.6	13	1	ABH19817	Oligonucleotide SE	c1503	9.4	37.6	13	1	ABC43185	Oligonucleotide SE
1431	9.4	37.6	13	1	ABF48351	Oligonucleotide SE	1504	9.4	37.6	13	1	ABC68771	Oligonucleotide SE
c1432	9.4	37.6	13	1	ABF48331	Oligonucleotide SE	1505	9.4	37.6	13	1	ABC22335	Oligonucleotide SE
c1433	9.4	37.6	13	1	ABF74398	Oligonucleotide SE	c1506	9.4	37.6	13	1	ABC22335	Oligonucleotide SE
c1434	9.4	37.6	13	1	ABH25101	Oligonucleotide SE	c1507	9.4	37.6	13	1	ABC97399	Oligonucleotide SE
1435	9.4	37.6	13	1	ABH00337	Oligonucleotide SE	1508	9.4	37.6	13	1	ABC98713	Oligonucleotide SE
c1436	9.4	37.6	13	1	ABH01289	Oligonucleotide SE	c1509	9.4	37.6	13	1	ABC51460	Oligonucleotide SE
c1437	9.4	37.6	13	1	ABH03181	Oligonucleotide SE	c1510	9.4	37.6	13	1	ABC27286	Oligonucleotide SE
c1438	9.4	37.6	13	1	ABH05218	Oligonucleotide SE	1511	9.4	37.6	13	1	ABC29745	Oligonucleotide SE
c1439	9.4	37.6	13	1	ABH30205	Oligonucleotide SE	c1512	9.4	37.6	13	1	ABC83593	Oligonucleotide SE
c1440	9.4	37.6	13	1	ABF56188	Oligonucleotide SE	1513	9.4	37.6	13	1	ABC33924	Oligonucleotide SE
c1441	9.4	37.6	13	1	ABH31337	Oligonucleotide SE	c1514	9.4	37.6	13	1	ABC84031	Oligonucleotide SE
1442	9.4	37.6	13	1	ABF83255	Oligonucleotide SE	c1515	9.4	37.6	13	1	ABC35803	Oligonucleotide SE
c1443	9.4	37.6	13	1	ABH33533	Oligonucleotide SE	1516	9.4	37.6	13	1	ABC12775	Oligonucleotide SE
1444	9.4	37.6	13	1	ABH38136	Oligonucleotide SE	c1517	9.4	37.6	13	1	ABC87535	Oligonucleotide SE
c1445	9.4	37.6	13	1	ABH39611	Oligonucleotide SE	c1518	9.4	37.6	13	1	ABC90213	Oligonucleotide SE
c1446	9.4	37.6	13	1	ABH14744	Oligonucleotide SE	1519	9.4	37.6	13	1	ABC40390	Oligonucleotide SE
c1447	9.4	37.6	13	1	ABH15338	Oligonucleotide SE	c1520	9.4	37.6	13	1	ABF21869	Oligonucleotide SE
c1448	9.4	37.6	13	1	ABF66078	Oligonucleotide SE	1521	9.4	37.6	13	1	ABF24067	Oligonucleotide SE
1449	9.4	37.6	13	1	ABH47385	Oligonucleotide SE	c1522	9.4	37.6	13	1	ABF25670	Oligonucleotide SE
1450	9.4	37.6	13	1	ABH48888	Oligonucleotide SE	c1523	9.4	37.6	13	1	ABF35387	Oligonucleotide SE
c1451	9.4	37.6	13	1	ABH49193	Oligonucleotide SE	1524	9.4	37.6	13	1	ABF71195	Oligonucleotide SE
c1452	9.4	37.6	13	1	ABH63425	Oligonucleotide SE	c1525	9.4	37.6	13	1	ABF46526	Oligonucleotide SE
c1453	9.4	37.6	13	1	ABH67417	Oligonucleotide SE	1526	9.4	37.6	13	1	ABF96632	Oligonucleotide SE
c1454	9.4	37.6	13	1	ABC68770	Oligonucleotide SE	c1527	9.4	37.6	13	1	ABF96633	Oligonucleotide SE
1455	9.4	37.6	13	1	ABC19208	Oligonucleotide SE	1528	9.4	37.6	13	1	ABF78904	Oligonucleotide SE
1456	9.4	37.6	13	1	ABC20797	Oligonucleotide SE	1529	9.4	37.6	13	1	ABH30322	Oligonucleotide SE
1457	9.4	37.6	13	1	ABC20812	Oligonucleotide SE	1530	9.4	37.6	13	1	ABH06804	Oligonucleotide SE
c1458	9.4	37.6	13	1	ABC47044	Oligonucleotide SE	c1531	9.4	37.6	13	1	ABF81758	Oligonucleotide SE
c1459	9.4	37.6	13	1	ABC75151	Oligonucleotide SE	1532	9.4	37.6	13	1	ABH35871	Oligonucleotide SE
1460	9.4	37.6	13	1	ABC25670	Oligonucleotide SE	1533	9.4	37.6	13	1	ABF87125	Oligonucleotide SE
1461	9.4	37.6	13	1	ABC03045	Oligonucleotide SE	c1534	9.4	37.6	13	1	ABH40598	Oligonucleotide SE
1462	9.4	37.6	13	1	ABC28681	Oligonucleotide SE	c1535	9.4	37.6	13	1	ABH42516	Oligonucleotide SE
c1463	9.4	37.6	13	1	ABC35970	Oligonucleotide SE	1536	9.4	37.6	13	1	ABH44835	Oligonucleotide SE
c1464	9.4	37.6	13	1	ABC79181	Oligonucleotide SE	1537	9.4	37.6	13	1	ABH45485	Oligonucleotide SE
c1465	9.4	37.6	13	1	ABC07431	Oligonucleotide SE	c1538	9.4	37.6	13	1	ABH45650	Oligonucleotide SE
c1466	9.4	37.6	13	1	ABC84053	Oligonucleotide SE	1539	9.4	37.6	13	1	ABH49192	Oligonucleotide SE
c1467	9.4	37.6	13	1	ABC59321	Oligonucleotide SE	c1540	9.4	37.6	13	1	ABC19209	Oligonucleotide SE
1468	9.4	37.6	13	1	ABC60253	Oligonucleotide SE	1541	9.4	37.6	13	1	ABC97299	Oligonucleotide SE
c1469	9.4	37.6	13	1	ABC85768	Oligonucleotide SE	1542	9.4	37.6	13	1	ABC97398	Oligonucleotide SE
1470	9.4	37.6	13	1	ABC12129	Oligonucleotide SE	c1543	9.4	37.6	13	1	ABC22478	Oligonucleotide SE
c1471	9.4	37.6	13	1	ABC12774	Oligonucleotide SE	1544	9.4	37.6	13	1	ABC75148	Oligonucleotide SE
1472	9.4	37.6	13	1	ABC87534	Oligonucleotide SE	1545	9.4	37.6	13	1	ABC27287	Oligonucleotide SE
c1473	9.4	37.6	13	1	ABC87858	Oligonucleotide SE	c1546	9.4	37.6	13	1	ABC03044	Oligonucleotide SE
1474	9.4	37.6	13	1	ABC90215	Oligonucleotide SE	c1547	9.4	37.6	13	1	ABC79183	Oligonucleotide SE
c1475	9.4	37.6	13	1	ABC65146	Oligonucleotide SE	c1548	9.4	37.6	13	1	ABC05456	Oligonucleotide SE
c1476	9.4	37.6	13	1	ABF24141	Oligonucleotide SE	1549	9.4	37.6	13	1	ABC30500	Oligonucleotide SE
1477	9.4	37.6	13	1	ABF25671	Oligonucleotide SE	c1550	9.4	37.6	13	1	ABC32155	Oligonucleotide SE
1478	9.4	37.6	13	1	ABH20558	Oligonucleotide SE	c1551	9.4	37.6	13	1	ABC33914	Oligonucleotide SE
c1479	9.4	37.6	13	1	ABF96279	Oligonucleotide SE	1552	9.4	37.6	13	1	ABC85697	Oligonucleotide SE
c1480	9.4	37.6	13	1	ABH25428	Oligonucleotide SE	1553	9.4	37.6	13	1	ABF11145	Oligonucleotide SE
c1481	9.4	37.6	13	1	ABH00774	Oligonucleotide SE	c1554	9.4	37.6	13	1	ABC12128	Oligonucleotide SE
1482	9.4	37.6	13	1	ABF75851	Oligonucleotide SE	1555	9.4	37.6	13	1	ABC12194	Oligonucleotide SE
c1483	9.4	37.6	13	1	ABH01087	Oligonucleotide SE	1556	9.4	37.6	13	1	ABC12323	Oligonucleotide SE
1484	9.4	37.6	13	1	ABH04848	Oligonucleotide SE	c1557	9.4	37.6	13	1	ABC12438	Oligonucleotide SE
c1485	9.4	37.6	13	1	ABF55494	Oligonucleotide SE	1558	9.4	37.6	13	1	ABC12440	Oligonucleotide SE
1486	9.4	37.6	13	1	ABH08668	Oligonucleotide SE	c1559	9.4	37.6	13	1	ABC38763	Oligonucleotide SE
c1487	9.4	37.6	13	1	ABF59229	Oligonucleotide SE	1560	9.4	37.6	13	1	ABF15811	Oligonucleotide SE
c1488	9.4	37.6	13	1	ABF84500	Oligonucleotide SE	c1561	9.4	37.6	13	1	ABF16738	Oligonucleotide SE
1489	9.4	37.6	13	1	ABF84501	Oligonucleotide SE	1562	9.4	37.6	13	1	ABF16809	Oligonucleotide SE
1490	9.4	37.6	13	1	ABH34735	Oligonucleotide SE	1563	9.4	37.6	13	1	ABF21434	Oligonucleotide SE
c1491	9.4	37.6	13	1	ABF84984	Oligonucleotide SE	1564	9.4	37.6	13	1	ABF21868	Oligonucleotide SE
1492	9.4	37.6	13	1	ABH12575	Oligonucleotide SE	c1565	9.4	37.6	13	1	ABF22435	Oligonucleotide SE
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c1567	9.4	37.6	13	1	ABF40235	Oligonucleotide SE
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1569	9.4	37.6	13	1	ABF95545	Oligonucleotide SE
c1570	9.4	37.6	13	1	ABF46527	Oligonucleotide SE
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c1572	9.4	37.6	13	1	ABH25639	Oligonucleotide SE
c1573	9.4	37.6	13	1	ABF77866	Oligonucleotide SE
c1574	9.4	37.6	13	1	ABF78833	Oligonucleotide SE
c1575	9.4	37.6	13	1	ABF78905	Oligonucleotide SE
1576	9.4	37.6	13	1	ABH05219	Oligonucleotide SE
1577	9.4	37.6	13	1	ABH45651	Oligonucleotide SE
c1578	9.4	37.6	13	1	ABH47077	Oligonucleotide SE
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1583	9.4	37.6	13	1	ABC79180	Oligonucleotide SE
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1602	9.4	37.6	13	1	ABF69829	Oligonucleotide SE
c1603	9.4	37.6	13	1	ABF95544	Oligonucleotide SE
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1615	9.4	37.6	13	1	ABC67416	Oligonucleotide SE
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c1618	9.4	37.6	13	1	ABC18774	Oligonucleotide SE
1619	9.4	37.6	13	1	ABC19762	Oligonucleotide SE
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1621	9.4	37.6	13	1	ABF01321	Oligonucleotide SE
1622	9.4	37.6	13	1	ABC08273	Oligonucleotide SE
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1635	9.4	37.6	13	1	ABH25100	Oligonucleotide SE
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c1637	9.4	37.6	13	1	ABF75800	Oligonucleotide SE
1638	9.4	37.6	13	1	ABH01336	Oligonucleotide SE
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1640	9.4	37.6	13	1	ABH02292	Oligonucleotide SE
c1641	9.4	37.6	13	1	ABF77867	Oligonucleotide SE
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c1643	9.4	37.6	13	1	ABH06805	Oligonucleotide SE
1644	9.4	37.6	13	1	ABF81759	Oligonucleotide SE
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1648	9.4	37.6	13	1	ABH11927	Oligonucleotide SE
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1650	9.4	37.6	13	1	ABF61912	Oligonucleotide SE
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1654	9.4	37.6	13	1	ABH48071	Oligonucleotide SE
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1656	9.4	37.6	13	1	ABH52217	Oligonucleotide SE
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1658	9.4	37.6	13	1	ABC47045	Oligonucleotide SE
1659	9.4	37.6	13	1	ABC22334	Oligonucleotide SE
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1661	9.4	37.6	13	1	ABC22479	Oligonucleotide SE
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1663	9.4	37.6	13	1	ABF00789	Oligonucleotide SE
c1664	9.4	37.6	13	1	ABC25685	Oligonucleotide SE
1665	9.4	37.6	13	1	ABC52247	Oligonucleotide SE
1666	9.4	37.6	13	1	ABC30664	Oligonucleotide SE
1667	9.4	37.6	13	1	ABC30819	Oligonucleotide SE
1668	9.4	37.6	13	1	ABC30997	Oligonucleotide SE
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c1670	9.4	37.6	13	1	ABC31786	Oligonucleotide SE
1671	9.4	37.6	13	1	ABC34190	Oligonucleotide SE
c1672	9.4	37.6	13	1	ABF09319	Oligonucleotide SE
c1673	9.4	37.6	13	1	ABC84460	Oligonucleotide SE
c1674	9.4	37.6	13	1	ABC35759	Oligonucleotide SE
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1676	9.4	37.6	13	1	ABC86584	Oligonucleotide SE
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1678	9.4	37.6	13	1	ABC90210	Oligonucleotide SE
c1679	9.4	37.6	13	1	ABC90214	Oligonucleotide SE
c1680	9.4	37.6	13	1	ABF15840	Oligonucleotide SE
c1681	9.4	37.6	13	1	ABC66149	Oligonucleotide SE
1682	9.4	37.6	13	1	ABF16739	Oligonucleotide SE
1683	9.4	37.6	13	1	ABF16741	Oligonucleotide SE
1684	9.4	37.6	13	1	ABF19515	Oligonucleotide SE
1685	9.4	37.6	13	1	ABF24140	Oligonucleotide SE
1686	9.4	37.6	13	1	ABF28265	Oligonucleotide SE
c1687	9.4	37.6	13	1	ABF37217	Oligonucleotide SE
1688	9.4	37.6	13	1	ABH19428	Oligonucleotide SE
c1689	9.4	37.6	13	1	ABH19804	Oligonucleotide SE
c1690	9.4	37.6	13	1	ABF71194	Oligonucleotide SE
1691	9.4	37.6	13	1	ABF97126	Oligonucleotide SE
1692	9.4	37.6	13	1	ABH23946	Oligonucleotide SE
c1693	9.4	37.6	13	1	ABH23946	Oligonucleotide SE
1694	9.4	37.6	13	1	ABF73964	Oligonucleotide SE
1695	9.4	37.6	13	1	ABF75294	Oligonucleotide SE
c1696	9.4	37.6	13	1	ABH01288	Oligonucleotide SE
c1697	9.4	37.6	13	1	ABF77599	Oligonucleotide SE
c1698	9.4	37.6	13	1	ABF83254	Oligonucleotide SE
1699	9.4	37.6	13	1	ABH34134	Oligonucleotide SE
1700	9.4	37.6	13	1	ABH34177	Oligonucleotide SE
c1701	9.4	37.6	13	1	ABH34734	Oligonucleotide SE
c1702	9.4	37.6	13	1	ABF64233	Oligonucleotide SE
1703	9.4	37.6	13	1	ABH14745	Oligonucleotide SE
1704	9.4	37.6	13	1	ABH14804	Oligonucleotide SE
c1705	9.4	37.6	13	1	ABH54060	Oligonucleotide SE
c1706	9.4	37.6	13	1	ABH64841	Oligonucleotide SE
c1707	9.4	37.6	13	1	ABH66098	Oligonucleotide SE
c1708	9.4	37.6	13	1	ABC20813	Oligonucleotide SE
1709	9.4	37.6	13	1	ABC46087	Oligonucleotide SE
c1710	9.4	37.6	13	1	ABC98712	Oligonucleotide SE
c1711	9.4	37.6	13	1	ABC24786	Oligonucleotide SE
c1712	9.4	37.6	13	1	ABF00063	Oligonucleotide SE

c1713	9.4	37.6	13	1	ABC266684	Oligonucleotide SE	c1786	9	36.0	10	1	AAF38353	Yeast NORF gene SA
c1714	9.4	37.6	13	1	ABC27613	Oligonucleotide SE	1787	9	36.0	10	1	AAF38828	Yeast NORF gene SA
c1715	9.4	37.6	13	1	ABC52874	Oligonucleotide SE	c1788	9	36.0	10	1	AAF3755	Yeast NORF gene SA
c1716	9.4	37.6	13	1	ABC31100	Oligonucleotide SE	c1789	9	36.0	10	1	AAF2630	Yeast NORF gene SA
c1717	9.4	37.6	13	1	ABC32028	Oligonucleotide SE	1790	9	36.0	10	1	AAF38599	Yeast NORF gene SA
c1718	9.4	37.6	13	1	ABC33915	Oligonucleotide SE	1791	9	36.0	10	1	ABR85880	Human SCYB6 gene p
c1719	9.4	37.6	13	1	ABC33929	Oligonucleotide SE	1792	9	36.0	11	1	AAF7654	Human SCYB6 gene p
c1720	9.4	37.6	13	1	ABF09318	Oligonucleotide SE	1793	9	36.0	11	1	AAF76413	Pax-6 P3 binding s
c1721	9.4	37.6	13	1	ABC60252	Oligonucleotide SE	c1794	9	36.0	11	1	ABQ86599	Human skin stress/
c1722	9.4	37.6	13	1	ABC11597	Oligonucleotide SE	c1795	9	36.0	11	1	ABV67438	Human skin EST 522
c1723	9.4	37.6	13	1	ABC12764	Oligonucleotide SE	c1796	9	36.0	11	1	ADK61681	Candidate aneustra
c1724	9.4	37.6	13	1	ABF14478	Oligonucleotide SE	c1797	9	36.0	11	1	ADQ33321	Human facial skin-
c1725	9.4	37.6	13	1	ABF14594	Oligonucleotide SE	c1798	9	36.0	11	1	ADR33560	E. coli strain O15
c1726	9.4	37.6	13	1	ABC66056	Oligonucleotide SE	c1799	9	36.0	11	1	ADR32421	E. coli nicking ag
c1727	9.4	37.6	13	1	ABF19514	Oligonucleotide SE	c1800	9	36.0	11	1	ADR32390	Oligonucleotide pr
c1728	9.4	37.6	13	1	ABF68828	Oligonucleotide SE	1801	9	36.0	12	1	ABT07347	Oligonucleotide pr
c1729	9.4	37.6	13	1	ABH19805	Oligonucleotide SE	1802	9	36.0	12	1	ABT34524	Oligonucleotide pr
c1730	9.4	37.6	13	1	ABF70312	Oligonucleotide SE	1803	9	36.0	12	1	ABT35016	Oligonucleotide pr
c1731	9.4	37.6	13	1	ABF73965	Oligonucleotide SE	1804	9	36.0	12	1	ABT47230	Oligonucleotide pr
c1732	9.4	37.6	13	1	ABH24843	Oligonucleotide SE	c1805	9	36.0	12	1	ABT71765	Oligonucleotide pr
c1733	9.4	37.6	13	1	ABF75295	Oligonucleotide SE	1806	9	36.0	12	1	ABT59887	Oligonucleotide pr
c1734	9.4	37.6	13	1	ABH25989	Oligonucleotide SE	c1807	9	36.0	12	1	ABT79835	Oligonucleotide pr
c1735	9.4	37.6	13	1	ABF76732	Oligonucleotide SE	c1808	9	36.0	12	1	ABH73393	Oligonucleotide pr
c1736	9.4	37.6	13	1	ABF77598	Oligonucleotide SE	c1809	9	36.0	12	1	ABT23854	Oligonucleotide pr
c1737	9.4	37.6	13	1	ABF55495	Oligonucleotide SE	1810	9	36.0	12	1	ABH76848	Oligonucleotide pr
c1738	9.4	37.6	13	1	ABH34736	Oligonucleotide SE	1811	9	36.0	12	1	ABH85507	Oligonucleotide pr
c1739	9.4	37.6	13	1	ABF84985	Oligonucleotide SE	c1812	9	36.0	12	1	ABT40133	Oligonucleotide pr
c1740	9.4	37.6	13	1	ABF62152	Oligonucleotide SE	1813	9	36.0	12	1	ABT45527	Oligonucleotide pr
c1741	9.4	37.6	13	1	ABF62153	Oligonucleotide SE	c1814	9	36.0	12	1	ABT51583	Oligonucleotide pr
c1742	9.4	37.6	13	1	ABH45189	Oligonucleotide SE	c1815	9	36.0	12	1	ABT51931	Oligonucleotide pr
c1743	9.4	37.6	13	1	ABH46148	Oligonucleotide SE	c1816	9	36.0	12	1	ABT67877	Oligonucleotide pr
c1744	9.4	37.6	13	1	ABH47076	Oligonucleotide SE	c1817	9	36.0	12	1	ABT67877	Oligonucleotide pr
c1745	9.4	37.6	13	1	ABH64637	Oligonucleotide SE	c1818	9	36.0	12	1	ABT62379	Oligonucleotide pr
c1746	9.4	37.6	13	1	ABC20796	Oligonucleotide SE	c1819	9	36.0	12	1	ABT79794	Oligonucleotide pr
c1747	9.4	37.6	13	1	ABC98863	Oligonucleotide SE	c1820	9	36.0	12	1	ABT18775	Oligonucleotide pr
c1748	9.4	37.6	13	1	ABC75458	Oligonucleotide SE	1821	9	36.0	12	1	ABT24893	Oligonucleotide pr
c1749	9.4	37.6	13	1	ABC28680	Oligonucleotide SE	c1822	9	36.0	12	1	ABT02751	Oligonucleotide pr
c1750	9.4	37.6	13	1	ABC28821	Oligonucleotide SE	c1823	9	36.0	12	1	ABH79014	Oligonucleotide pr
c1751	9.4	37.6	13	1	ABF79867	Oligonucleotide SE	1824	9	36.0	12	1	ABT16450	Oligonucleotide pr
c1752	9.4	37.6	13	1	ABC30501	Oligonucleotide SE	1825	9	36.0	12	1	ABT52726	Oligonucleotide pr
c1753	9.4	37.6	13	1	ABR06246	Oligonucleotide SE	c1826	9	36.0	12	1	ABT69305	Oligonucleotide pr
c1754	9.4	37.6	13	1	ABC31787	Oligonucleotide SE	1827	9	36.0	12	1	ABT55355	Oligonucleotide pr
c1755	9.4	37.6	13	1	ABC07430	Oligonucleotide SE	1828	9	36.0	12	1	ABT58646	Oligonucleotide pr
c1756	9.4	37.6	13	1	ABC82271	Oligonucleotide SE	1829	9	36.0	12	1	ABT82061	Oligonucleotide pr
c1757	9.4	37.6	13	1	ABC08855	Oligonucleotide SE	c1830	9	36.0	12	1	ABH94950	Oligonucleotide pr
c1758	9.4	37.6	13	1	ABC35024	Oligonucleotide SE	1831	9	36.0	12	1	ABT44165	Oligonucleotide pr
c1759	9.4	37.6	13	1	ABC35278	Oligonucleotide SE	c1832	9	36.0	12	1	ABT44799	Oligonucleotide pr
c1760	9.4	37.6	13	1	ABF14595	Oligonucleotide SE	1833	9	36.0	12	1	ABT49399	Oligonucleotide pr
c1761	9.4	37.6	13	1	ABC16345	Oligonucleotide SE	1834	9	36.0	12	1	ABT49400	Oligonucleotide pr
c1762	9.4	37.6	13	1	ABC41103	Oligonucleotide SE	c1835	9	36.0	12	1	ABT50404	Oligonucleotide pr
c1763	9.4	37.6	13	1	ABF22434	Oligonucleotide SE	1836	9	36.0	12	1	ABT59255	Oligonucleotide pr
c1764	9.4	37.6	13	1	ABF23681	Oligonucleotide SE	1837	9	36.0	12	1	ABT77259	Oligonucleotide pr
c1765	9.4	37.6	13	1	ABF25668	Oligonucleotide SE	1838	9	36.0	12	1	ABT64167	Oligonucleotide pr
c1766	9.4	37.6	13	1	ABF92843	Oligonucleotide SE	c1839	9	36.0	12	1	ABT19395	Oligonucleotide pr
c1767	9.4	37.6	13	1	ABH17990	Oligonucleotide SE	c1840	9	36.0	12	1	ABT21897	Oligonucleotide pr
c1768	9.4	37.6	13	1	ABF70593	Oligonucleotide SE	c1841	9	36.0	12	1	ABT22118	Oligonucleotide pr
c1769	9.4	37.6	13	1	ABF75197	Oligonucleotide SE	c1842	9	36.0	12	1	ABH73257	Oligonucleotide pr
c1770	9.4	37.6	13	1	ABH02293	Oligonucleotide SE	c1843	9	36.0	12	1	ABH75563	Oligonucleotide pr
c1771	9.4	37.6	13	1	ABH28016	Oligonucleotide SE	c1844	9	36.0	12	1	ABT28913	Oligonucleotide pr
c1772	9.4	37.6	13	1	ABH03180	Oligonucleotide SE	1845	9	36.0	12	1	ABH82457	Oligonucleotide pr
c1773	9.4	37.6	13	1	ABF78709	Oligonucleotide SE	c1846	9	36.0	12	1	ABT32777	Oligonucleotide pr
c1774	9.4	37.6	13	1	ABH06243	Oligonucleotide SE	c1847	9	36.0	12	1	ABT48831	Oligonucleotide pr
c1775	9.4	37.6	13	1	ABH07082	Oligonucleotide SE	1848	9	36.0	12	1	ABT70463	Oligonucleotide pr
c1776	9.4	37.6	13	1	ABH07084	Oligonucleotide SE	c1849	9	36.0	12	1	ABH92968	Oligonucleotide pr
c1777	9.4	37.6	13	1	ABH07608	Oligonucleotide SE	c1850	9	36.0	12	1	ABT21521	Oligonucleotide pr
c1778	9.4	37.6	13	1	ABF64232	Oligonucleotide SE	1851	9	36.0	12	1	ABT25850	Oligonucleotide pr
c1779	9.4	37.6	13	1	ABH45483	Oligonucleotide SE	c1852	9	36.0	12	1	ABT06850	Oligonucleotide pr
c1780	9.4	37.6	13	1	ABH48070	Oligonucleotide SE	c1853	9	36.0	12	1	ABT53318	Oligonucleotide pr
c1781	9.4	37.6	13	1	ABH52598	Oligonucleotide SE	c1854	9	36.0	12	1	ABT56688	Oligonucleotide pr
c1782	9.4	37.6	13	1	ABH58922	Oligonucleotide SE	c1855	9	36.0	12	1	ABT80288	Oligonucleotide pr
c1783	9.4	37.6	13	1	ABH58923	Oligonucleotide SE	1856	9	36.0	12	1	ABT25339	Oligonucleotide pr
c1784	9.4	37.6	13	1	ABH66342	Oligonucleotide SE	1857	9	36.0	12	1	ABH78194	Oligonucleotide pr
c1785	9	36.0	10	1	AAZ85396	Metastatic breast	1858	9	36.0	12	1	ABH78538	Oligonucleotide pr



c2005	8.8	35.2	12	1	ABH81311	Oligonucleotide pr	2078	8.8	35.2	12	1	ABH74002	Oligonucleotide pr
c2006	8.8	35.2	12	1	AB131568	Oligonucleotide pr	2079	8.8	35.2	12	1	AB124783	Oligonucleotide pr
c2007	8.8	35.2	12	1	AB107764	Oligonucleotide pr	c2080	8.8	35.2	12	1	ABH75576	Oligonucleotide pr
c2008	8.8	35.2	12	1	AB134421	Oligonucleotide pr	c2081	8.8	35.2	12	1	AB126239	Oligonucleotide pr
c2009	8.8	35.2	12	1	AB134855	Oligonucleotide pr	c2082	8.8	35.2	12	1	AB126592	Oligonucleotide pr
c2010	8.8	35.2	12	1	ABH85684	Oligonucleotide pr	c2083	8.8	35.2	12	1	ABH79146	Oligonucleotide pr
c2011	8.8	35.2	12	1	AB136163	Oligonucleotide pr	c2084	8.8	35.2	12	1	ABH79358	Oligonucleotide pr
c2012	8.8	35.2	12	1	AB111627	Oligonucleotide pr	c2085	8.8	35.2	12	1	ABH81832	Oligonucleotide pr
c2013	8.8	35.2	12	1	ABH87459	Oligonucleotide pr	c2086	8.8	35.2	12	1	AB133029	Oligonucleotide pr
c2014	8.8	35.2	12	1	ABH87642	Oligonucleotide pr	c2087	8.8	35.2	12	1	AB108429	Oligonucleotide pr
c2015	8.8	35.2	12	1	AB138172	Oligonucleotide pr	c2088	8.8	35.2	12	1	AB109198	Oligonucleotide pr
c2016	8.8	35.2	12	1	ABH88845	Oligonucleotide pr	c2089	8.8	35.2	12	1	ABH85381	Oligonucleotide pr
c2017	8.8	35.2	12	1	AB116082	Oligonucleotide pr	c2090	8.8	35.2	12	1	ABH86709	Oligonucleotide pr
c2018	8.8	35.2	12	1	AB1484757	Oligonucleotide pr	c2091	8.8	35.2	12	1	AB113220	Oligonucleotide pr
c2019	8.8	35.2	12	1	AB169970	Oligonucleotide pr	c2092	8.8	35.2	12	1	AB113935	Oligonucleotide pr
c2020	8.8	35.2	12	1	AB156409	Oligonucleotide pr	c2093	8.8	35.2	12	1	AB117287	Oligonucleotide pr
c2021	8.8	35.2	12	1	AB156409	Oligonucleotide pr	c2094	8.8	35.2	12	1	AB143149	Oligonucleotide pr
c2022	8.8	35.2	12	1	AB156474	Oligonucleotide pr	c2095	8.8	35.2	12	1	AB143528	Oligonucleotide pr
c2023	8.8	35.2	12	1	AB158871	Oligonucleotide pr	c2096	8.8	35.2	12	1	AB145243	Oligonucleotide pr
c2024	8.8	35.2	12	1	AB173105	Oligonucleotide pr	c2097	8.8	35.2	12	1	AB147547	Oligonucleotide pr
c2025	8.8	35.2	12	1	AB159417	Oligonucleotide pr	c2098	8.8	35.2	12	1	AB148687	Oligonucleotide pr
c2026	8.8	35.2	12	1	AB174026	Oligonucleotide pr	c2099	8.8	35.2	12	1	AB152604	Oligonucleotide pr
c2027	8.8	35.2	12	1	AB174085	Oligonucleotide pr	c2100	8.8	35.2	12	1	AB160409	Oligonucleotide pr
c2028	8.8	35.2	12	1	AB160751	Oligonucleotide pr	c2101	8.8	35.2	12	1	AB161249	Oligonucleotide pr
c2029	8.8	35.2	12	1	AB161401	Oligonucleotide pr	c2102	8.8	35.2	12	1	AB177146	Oligonucleotide pr
c2030	8.8	35.2	12	1	AB178003	Oligonucleotide pr	c2103	8.8	35.2	12	1	AB178163	Oligonucleotide pr
c2031	8.8	35.2	12	1	AB180199	Oligonucleotide pr	c2104	8.8	35.2	12	1	AB179058	Oligonucleotide pr
c2032	8.8	35.2	12	1	AB180675	Oligonucleotide pr	c2105	8.8	35.2	12	1	AB179193	Oligonucleotide pr
c2033	8.8	35.2	12	1	ABH68487	Oligonucleotide pr	c2106	8.8	35.2	12	1	AB165318	Oligonucleotide pr
c2034	8.8	35.2	12	1	ABH70996	Oligonucleotide pr	c2107	8.8	35.2	12	1	AB167315	Oligonucleotide pr
c2035	8.8	35.2	12	1	ABH72221	Oligonucleotide pr	c2108	8.8	35.2	12	1	AB181984	Oligonucleotide pr
c2036	8.8	35.2	12	1	AB122565	Oligonucleotide pr	c2109	8.8	35.2	12	1	ABH92821	Oligonucleotide pr
c2037	8.8	35.2	12	1	ABH98851	Oligonucleotide pr	c2110	8.8	35.2	12	1	ABH68064	Oligonucleotide pr
c2038	8.8	35.2	12	1	ABH98964	Oligonucleotide pr	c2111	8.8	35.2	12	1	AB118386	Oligonucleotide pr
c2039	8.8	35.2	12	1	AB100877	Oligonucleotide pr	c2112	8.8	35.2	12	1	ABH68431	Oligonucleotide pr
c2040	8.8	35.2	12	1	AB101771	Oligonucleotide pr	c2113	8.8	35.2	12	1	ABH68610	Oligonucleotide pr
c2041	8.8	35.2	12	1	AB126946	Oligonucleotide pr	c2114	8.8	35.2	12	1	ABH70937	Oligonucleotide pr
c2042	8.8	35.2	12	1	ABH77030	Oligonucleotide pr	c2115	8.8	35.2	12	1	ABH96158	Oligonucleotide pr
c2043	8.8	35.2	12	1	AB129199	Oligonucleotide pr	c2116	8.8	35.2	12	1	ABH71478	Oligonucleotide pr
c2044	8.8	35.2	12	1	ABH80107	Oligonucleotide pr	c2117	8.8	35.2	12	1	ABH72650	Oligonucleotide pr
c2045	8.8	35.2	12	1	ABH80304	Oligonucleotide pr	c2118	8.8	35.2	12	1	ABH74553	Oligonucleotide pr
c2046	8.8	35.2	12	1	ABH81296	Oligonucleotide pr	c2119	8.8	35.2	12	1	AB100916	Oligonucleotide pr
c2047	8.8	35.2	12	1	ABH81446	Oligonucleotide pr	c2120	8.8	35.2	12	1	AB126745	Oligonucleotide pr
c2048	8.8	35.2	12	1	AB132254	Oligonucleotide pr	c2121	8.8	35.2	12	1	ABH77028	Oligonucleotide pr
c2049	8.8	35.2	12	1	AB108221	Oligonucleotide pr	c2122	8.8	35.2	12	1	ABH77774	Oligonucleotide pr
c2050	8.8	35.2	12	1	ABH84358	Oligonucleotide pr	c2123	8.8	35.2	12	1	AB103042	Oligonucleotide pr
c2051	8.8	35.2	12	1	AB135062	Oligonucleotide pr	c2124	8.8	35.2	12	1	AB130614	Oligonucleotide pr
c2052	8.8	35.2	12	1	AB136793	Oligonucleotide pr	c2125	8.8	35.2	12	1	ABH81089	Oligonucleotide pr
c2053	8.8	35.2	12	1	ABH87863	Oligonucleotide pr	c2126	8.8	35.2	12	1	AB132589	Oligonucleotide pr
c2054	8.8	35.2	12	1	AB138775	Oligonucleotide pr	c2127	8.8	35.2	12	1	ABH82977	Oligonucleotide pr
c2055	8.8	35.2	12	1	AB139248	Oligonucleotide pr	c2128	8.8	35.2	12	1	ABH83146	Oligonucleotide pr
c2056	8.8	35.2	12	1	AB115507	Oligonucleotide pr	c2129	8.8	35.2	12	1	ABH83517	Oligonucleotide pr
c2057	8.8	35.2	12	1	AB140934	Oligonucleotide pr	c2130	8.8	35.2	12	1	ABH83517	Oligonucleotide pr
c2058	8.8	35.2	12	1	AB140900	Oligonucleotide pr	c2131	8.8	35.2	12	1	ABH83653	Oligonucleotide pr
c2059	8.8	35.2	12	1	ABH16206	Oligonucleotide pr	c2132	8.8	35.2	12	1	ABH83866	Oligonucleotide pr
c2060	8.8	35.2	12	1	ABH91183	Oligonucleotide pr	c2133	8.8	35.2	12	1	ABH84723	Oligonucleotide pr
c2061	8.8	35.2	12	1	AB144920	Oligonucleotide pr	c2134	8.8	35.2	12	1	ABH87018	Oligonucleotide pr
c2062	8.8	35.2	12	1	AB146971	Oligonucleotide pr	c2135	8.8	35.2	12	1	AB113234	Oligonucleotide pr
c2063	8.8	35.2	12	1	AB149850	Oligonucleotide pr	c2136	8.8	35.2	12	1	AB138780	Oligonucleotide pr
c2064	8.8	35.2	12	1	AB154080	Oligonucleotide pr	c2137	8.8	35.2	12	1	AB140830	Oligonucleotide pr
c2065	8.8	35.2	12	1	AB156381	Oligonucleotide pr	c2138	8.8	35.2	12	1	AB147784	Oligonucleotide pr
c2066	8.8	35.2	12	1	AB157290	Oligonucleotide pr	c2139	8.8	35.2	12	1	AB147793	Oligonucleotide pr
c2067	8.8	35.2	12	1	AB157848	Oligonucleotide pr	c2140	8.8	35.2	12	1	AB149202	Oligonucleotide pr
c2068	8.8	35.2	12	1	AB159454	Oligonucleotide pr	c2141	8.8	35.2	12	1	AB149585	Oligonucleotide pr
c2069	8.8	35.2	12	1	AB160420	Oligonucleotide pr	c2142	8.8	35.2	12	1	AB150832	Oligonucleotide pr
c2070	8.8	35.2	12	1	AB161720	Oligonucleotide pr	c2143	8.8	35.2	12	1	AB152504	Oligonucleotide pr
c2071	8.8	35.2	12	1	AB164461	Oligonucleotide pr	c2144	8.8	35.2	12	1	AB154917	Oligonucleotide pr
c2072	8.8	35.2	12	1	AB118872	Oligonucleotide pr	c2145	8.8	35.2	12	1	AB170135	Oligonucleotide pr
c2073	8.8	35.2	12	1	ABH94326	Oligonucleotide pr	c2146	8.8	35.2	12	1	AB171000	Oligonucleotide pr
c2074	8.8	35.2	12	1	ABH70933	Oligonucleotide pr	c2147	8.8	35.2	12	1	AB172457	Oligonucleotide pr
c2075	8.8	35.2	12	1	ABH71162	Oligonucleotide pr	c2148	8.8	35.2	12	1	AB173084	Oligonucleotide pr
c2076	8.8	35.2	12	1	AB123443	Oligonucleotide pr	c2149	8.8	35.2	12	1	AB173235	Oligonucleotide pr
c2077	8.8	35.2	12	1	AB124031	Oligonucleotide pr	c2150	8.8	35.2	12	1	AB160316	Oligonucleotide pr

c2151	8.8	35.2	12	1	ABI161882	Oligonucleotide pr
c2152	8.8	35.2	12	1	ABI777883	Oligonucleotide pr
c2153	8.8	35.2	12	1	ABH92684	Oligonucleotide pr
c2154	8.8	35.2	12	1	ABI119839	Oligonucleotide pr
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c2156	8.8	35.2	12	1	ABH72360	Oligonucleotide pr
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c2159	8.8	35.2	12	1	ABI03612	Oligonucleotide pr
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c2161	8.8	35.2	12	1	ABH80106	Oligonucleotide pr
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c2167	8.8	35.2	12	1	ABI11400	Oligonucleotide pr
c2168	8.8	35.2	12	1	ABI37971	Oligonucleotide pr
c2169	8.8	35.2	12	1	ABI14505	Oligonucleotide pr
c2170	8.8	35.2	12	1	ABI39953	Oligonucleotide pr
c2171	8.8	35.2	12	1	ABI40281	Oligonucleotide pr
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c2360	8.8	35.2	12	1	ABI72228	Oligonucleotide pr	c2433	8.8	35.2	12	1	ABI39325	Oligonucleotide pr
c2361	8.8	35.2	12	1	ABI58631	Oligonucleotide pr	c2434	8.8	35.2	12	1	ABI40218	Oligonucleotide pr
c2362	8.8	35.2	12	1	ABI58983	Oligonucleotide pr	c2435	8.8	35.2	12	1	ABI41784	Oligonucleotide pr
c2363	8.8	35.2	12	1	ABI59895	Oligonucleotide pr	c2436	8.8	35.2	12	1	ABI41935	Oligonucleotide pr
c2364	8.8	35.2	12	1	ABI59902	Oligonucleotide pr	c2437	8.8	35.2	12	1	ABI42614	Oligonucleotide pr
c2365	8.8	35.2	12	1	ABI60478	Oligonucleotide pr	c2438	8.8	35.2	12	1	ABI43287	Oligonucleotide pr
c2366	8.8	35.2	12	1	ABI77139	Oligonucleotide pr	c2439	8.8	35.2	12	1	ABI52118	Oligonucleotide pr
c2367	8.8	35.2	12	1	ABI64164	Oligonucleotide pr	c2440	8.8	35.2	12	1	ABI52183	Oligonucleotide pr
c2368	8.8	35.2	12	1	ABI78663	Oligonucleotide pr	c2441	8.8	35.2	12	1	ABI53534	Oligonucleotide pr
c2369	8.8	35.2	12	1	ABI79136	Oligonucleotide pr	c2442	8.8	35.2	12	1	ABI69029	Oligonucleotide pr

C2443	8.8	35.2	12	1	ABI555383	Oligonucleotide pr
2444	8.8	35.2	12	1	ABI56733	Oligonucleotide pr
C2445	8.8	35.2	12	1	ABI711177	Oligonucleotide pr
C2446	8.8	35.2	12	1	ABI58839	Oligonucleotide pr
C2447	8.8	35.2	12	1	ABI60913	Oligonucleotide pr
2448	8.8	35.2	12	1	ABI61938	Oligonucleotide pr
2449	8.8	35.2	12	1	ABI61938	Oligonucleotide pr
C2450	8.8	35.2	12	1	ABI76364	Oligonucleotide pr
2451	8.8	35.2	12	1	ABI76530	Oligonucleotide pr
C2452	8.8	35.2	12	1	ABI64397	Oligonucleotide pr
C2453	8.8	35.2	12	1	ABI78969	Oligonucleotide pr
C2454	8.8	35.2	12	1	ABI79938	Oligonucleotide pr
2455	8.8	35.2	12	1	ABH68749	Oligonucleotide pr
2456	8.8	35.2	12	1	ABH94925	Oligonucleotide pr
C2457	8.8	35.2	12	1	ABH70211	Oligonucleotide pr
2458	8.8	35.2	12	1	ABI20916	Oligonucleotide pr
2459	8.8	35.2	12	1	ABH98012	Oligonucleotide pr
C2460	8.8	35.2	12	1	ABH75375	Oligonucleotide pr
2461	8.8	35.2	12	1	ABI01366	Oligonucleotide pr
2462	8.8	35.2	12	1	ABI27362	Oligonucleotide pr
C2463	8.8	35.2	12	1	ABH77738	Oligonucleotide pr
C2464	8.8	35.2	12	1	ABH80509	Oligonucleotide pr
C2465	8.8	35.2	12	1	ABI30633	Oligonucleotide pr
C2466	8.8	35.2	12	1	ABI07506	Oligonucleotide pr
2467	8.8	35.2	12	1	ABH83061	Oligonucleotide pr
2468	8.8	35.2	12	1	ABI09136	Oligonucleotide pr
2469	8.8	35.2	12	1	ABI34342	Oligonucleotide pr
C2470	8.8	35.2	12	1	ABI34613	Oligonucleotide pr
2471	8.8	35.2	12	1	ABI35884	Oligonucleotide pr
2472	8.8	35.2	12	1	ABI11764	Oligonucleotide pr
C2473	8.8	35.2	12	1	ABI37003	Oligonucleotide pr
2474	8.8	35.2	12	1	ABI37762	Oligonucleotide pr
C2475	8.8	35.2	12	1	ABI38616	Oligonucleotide pr
2476	8.8	35.2	12	1	ABH91165	Oligonucleotide pr
C2477	8.8	35.2	12	1	ABH67115	Oligonucleotide pr
C2478	8.8	35.2	12	1	ABI44391	Oligonucleotide pr
2479	8.8	35.2	12	1	ABI46060	Oligonucleotide pr
2480	8.8	35.2	12	1	ABI47801	Oligonucleotide pr
C2481	8.8	35.2	12	1	ABI47999	Oligonucleotide pr
2482	8.8	35.2	12	1	ABI67916	Oligonucleotide pr
2483	8.8	35.2	12	1	ABI62969	Oligonucleotide pr
C2484	8.8	35.2	12	1	ABI77178	Oligonucleotide pr
C2485	8.8	35.2	12	1	ABI63909	Oligonucleotide pr
2486	8.8	35.2	12	1	ABI65455	Oligonucleotide pr
2487	8.8	35.2	12	1	ABI18345	Oligonucleotide pr
2488	8.8	35.2	12	1	ABH95387	Oligonucleotide pr
2489	8.8	35.2	12	1	ABH72353	Oligonucleotide pr
2490	8.8	35.2	12	1	ABH79511	Oligonucleotide pr
C2491	8.8	35.2	12	1	ABI23291	Oligonucleotide pr
C2492	8.8	35.2	12	1	ABH73474	Oligonucleotide pr
2493	8.8	35.2	12	1	ABI24452	Oligonucleotide pr
2494	8.8	35.2	12	1	ABI25934	Oligonucleotide pr
C2495	8.8	35.2	12	1	ABH77211	Oligonucleotide pr
2496	8.8	35.2	12	1	ABH80203	Oligonucleotide pr
C2497	8.8	35.2	12	1	ABH80289	Oligonucleotide pr
C2498	8.8	35.2	12	1	ABH80578	Oligonucleotide pr
C2499	8.8	35.2	12	1	ABH81312	Oligonucleotide pr
2500	8.8	35.2	12	1	ABI07005	Oligonucleotide pr
C2501	8.8	35.2	12	1	ABH82588	Oligonucleotide pr
2502	8.8	35.2	12	1	ABH83510	Oligonucleotide pr
2503	8.8	35.2	12	1	ABH85990	Oligonucleotide pr
C2504	8.8	35.2	12	1	ABH86749	Oligonucleotide pr
2505	8.8	35.2	12	1	ABI39717	Oligonucleotide pr
C2506	8.8	35.2	12	1	ABH90522	Oligonucleotide pr
C2507	8.8	35.2	12	1	ABI16079	Oligonucleotide pr
2508	8.8	35.2	12	1	ABH92144	Oligonucleotide pr
2509	8.8	35.2	12	1	ABI44458	Oligonucleotide pr
2510	8.8	35.2	12	1	ABI46893	Oligonucleotide pr
2511	8.8	35.2	12	1	ABI67831	Oligonucleotide pr
2512	8.8	35.2	12	1	ABI54025	Oligonucleotide pr
2513	8.8	35.2	12	1	ABI68495	Oligonucleotide pr
C2514	8.8	35.2	12	1	ABI55216	Oligonucleotide pr
2515	8.8	35.2	12	1	ABI70927	Oligonucleotide pr
2516	8.8	35.2	12	1	ABI73713	Oligonucleotide pr
2517	8.8	35.2	12	1	ABI61769	Oligonucleotide pr
C2518	8.8	35.2	12	1	ABI64339	Oligonucleotide pr
2519	8.8	35.2	12	1	ABI65054	Oligonucleotide pr
2520	8.8	35.2	12	1	ABI80046	Oligonucleotide pr
2521	8.8	35.2	12	1	ABI81170	Oligonucleotide pr
2522	8.8	35.2	12	1	ABH93230	Oligonucleotide pr
2523	8.8	35.2	12	1	ABH68863	Oligonucleotide pr
C2524	8.8	35.2	12	1	ABI20209	Oligonucleotide pr
2525	8.8	35.2	12	1	ABI01407	Oligonucleotide pr
C2526	8.8	35.2	12	1	ABH76921	Oligonucleotide pr
2527	8.8	35.2	12	1	ABH77633	Oligonucleotide pr
2528	8.8	35.2	12	1	ABI28864	Oligonucleotide pr
C2529	8.8	35.2	12	1	ABI29287	Oligonucleotide pr
C2530	8.8	35.2	12	1	ABI32981	Oligonucleotide pr
2531	8.8	35.2	12	1	ABH83874	Oligonucleotide pr
C2532	8.8	35.2	12	1	ABI10762	Oligonucleotide pr
2533	8.8	35.2	12	1	ABI11303	Oligonucleotide pr
2534	8.8	35.2	12	1	ABI13245	Oligonucleotide pr
C2535	8.8	35.2	12	1	ABH88733	Oligonucleotide pr
C2536	8.8	35.2	12	1	ABI14888	Oligonucleotide pr
C2537	8.8	35.2	12	1	ABI40135	Oligonucleotide pr
2538	8.8	35.2	12	1	ABI15518	Oligonucleotide pr
2539	8.8	35.2	12	1	ABI15839	Oligonucleotide pr
C2540	8.8	35.2	12	1	ABI15839	Oligonucleotide pr
C2541	8.8	35.2	12	1	ABI15890	Oligonucleotide pr
2542	8.8	35.2	12	1	ABI41309	Oligonucleotide pr
C2543	8.8	35.2	12	1	ABI45878	Oligonucleotide pr
2544	8.8	35.2	12	1	ABI46864	Oligonucleotide pr
C2545	8.8	35.2	12	1	ABI51352	Oligonucleotide pr
C2546	8.8	35.2	12	1	ABI68631	Oligonucleotide pr
C2547	8.8	35.2	12	1	ABI69599	Oligonucleotide pr
C2548	8.8	35.2	12	1	ABI56375	Oligonucleotide pr
2549	8.8	35.2	12	1	ABI70954	Oligonucleotide pr
2550	8.8	35.2	12	1	ABI71095	Oligonucleotide pr
2551	8.8	35.2	12	1	ABI72351	Oligonucleotide pr
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2553	8.8	35.2	12	1	ABI74957	Oligonucleotide pr
C2554	8.8	35.2	12	1	ABI61518	Oligonucleotide pr
2555	8.8	35.2	12	1	ABI75745	Oligonucleotide pr
C2556	8.8	35.2	12	1	ABI76657	Oligonucleotide pr
2557	8.8	35.2	12	1	ABI64220	Oligonucleotide pr
C2558	8.8	35.2	12	1	ABI64582	Oligonucleotide pr
2559	8.8	35.2	12	1	ABI79063	Oligonucleotide pr
C2560	8.8	35.2	12	1	ACD56710	HBV RT primer deco
C2561	8.8	35.2	12	1	ADH96281	Human Atp5f1 gene,
C2562	8.8	35.2	12	1	ADH70235	Human Vbeta gene r
C2563	8.8	35.2	13	1	ABH63547	Oligonucleotide SE
2564	8.8	35.2	13	1	ABH63546	Oligonucleotide SE
2565	8.8	35.2	13	1	ABF31705	Oligonucleotide SE
C2566	8.8	35.2	13	1	ABF31704	Oligonucleotide SE
C2567	8.8	35.2	13	1	ABH24485	Oligonucleotide SE
2568	8.8	35.2	13	1	ABF39979	Oligonucleotide SE
C2569	8.8	35.2	13	1	ABF39978	Oligonucleotide SE
2570	8.8	35.2	13	1	ABH24484	Oligonucleotide SE
C2571	8.8	35.2	13	1	ABC75459	Oligonucleotide SE
2572	8.8	35.2	13	1	ABC75458	Oligonucleotide SE
C2573	8.8	35.2	17	1	ABK55635	Human CcAl gene e
C2574	8.6	34.4	17	1	ABZ61179	Human K-Ras DNazym
2575	8.4	33.6	10	1	AAZ77632	Human dendritic ce
C2576	8.4	33.6	10	1	AAZ77632	Human dendritic ce
2577	8.4	33.6	10	1	AAZ85199	Metastatic breast
2578	8.4	33.6	10	1	AAZ85199	Metastatic breast
2579	8.4	33.6	10	1	AAZ86424	Metastatic breast
2580	8.4	33.6	10	1	AAAD00378	Mutated intronic C
2581	8.4	33.6	10	1	AAF60577	Oligonucleotide #1
C2582	8.4	33.6	10	1	AAF76442	Paired-type homeod
2583	8.4	33.6	10	1	AAF76440	Paired-type homeod
C2584	8.4	33.6	10	1	AAF37288	Yeast NORF gene SA
2585	8.4	33.6	10	1	AAF41779	Yeast NORF gene SA
C2586	8.4	33.6	10	1	AAF38106	Yeast NORF gene SA
C2587	8.4	33.6	10	1	AAF40031	Yeast NORF gene SA
C2588	8.4	33.6	10	1	AAF38279	Yeast NORF gene SA

2589	8.4	33.6	10	1	AAF38667	Yeast NORF gene SA	2662	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2590	8.4	33.6	10	1	AAF37039	Yeast NORF gene SA	2663	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2591	8.4	33.6	10	1	AAF38212	Yeast NORF gene SA	2664	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2592	8.4	33.6	10	1	AAF40287	Yeast NORF gene SA	2665	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2593	8.4	33.6	10	1	AAF35308	Yeast NORF gene SA	2666	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2594	8.4	33.6	10	1	AAF34961	Yeast NORF gene SA	2667	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2595	8.4	33.6	10	1	AAF41189	Yeast NORF gene SA	2668	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2596	8.4	33.6	10	1	AAF38012	Yeast NORF gene SA	2669	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2597	8.4	33.6	10	1	AAF40262	Yeast NORF gene SA	2670	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2598	8.4	33.6	10	1	AAF41659	Yeast NORF gene SA	2671	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2599	8.4	33.6	10	1	AAF37603	Yeast NORF gene SA	2672	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2600	8.4	33.6	10	1	AAF33570	Yeast NORF gene SA	2673	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2601	8.4	33.6	10	1	AAF37220	Yeast NORF gene SA	2674	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2602	8.4	33.6	10	1	AAF39537	Yeast NORF gene SA	2675	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2603	8.4	33.6	10	1	AAF40291	Yeast NORF gene SA	2676	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2604	8.4	33.6	10	1	AAF34992	Yeast NORF gene SA	2677	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2605	8.4	33.6	10	1	AAF37036	Yeast NORF gene SA	2678	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2606	8.4	33.6	10	1	AAF39891	Yeast NORF gene SA	2679	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2607	8.4	33.6	10	1	AAF40405	Yeast NORF gene SA	2680	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2608	8.4	33.6	10	1	ABL52315	Human CCR6 prefer	2681	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2609	8.4	33.6	10	1	ABK47365	Human Angiotensin	2682	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2610	8.4	33.6	10	1	ADE14301	Optineurin promote	2683	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2611	8.4	33.6	11	1	AAF76418	Pax-6 p3 binding s	2684	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2612	8.4	33.6	11	1	ABQ87415	Human skin stress/	2685	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2613	8.4	33.6	11	1	ABQ87458	Human skin stress/	2686	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2614	8.4	33.6	11	1	ABQ87458	Human skin stress/	2687	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2615	8.4	33.6	11	1	ABV69478	Human skin EST 726	2688	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2616	8.4	33.6	11	1	ABV66841	Human skin EST 462	2689	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2616	8.4	33.6	11	1	ABV69895	Human skin EST 768	2690	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2617	8.4	33.6	11	1	ABV65971	Human skin EST 375	2691	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2618	8.4	33.6	11	1	ABV64300	Human skin EST 208	2692	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2619	8.4	33.6	11	1	ABV71721	Human skin EST 950	2693	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2620	8.4	33.6	11	1	ABV64929	Human skin EST 271	2694	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2621	8.4	33.6	11	1	ABV65050	Human skin EST 283	2695	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2622	8.4	33.6	11	1	ABV62474	Human skin EST 260	2696	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2623	8.4	33.6	11	1	ABX99452	Human CYP3A5 gene	2697	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2624	8.4	33.6	11	1	ACD27895	DNA sequence #2 re	2698	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2625	8.4	33.6	11	1	ADQ35571	Human hair-bearing	2699	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2626	8.4	33.6	11	1	ADQ36435	Human hair-bearing	2700	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2627	8.4	33.6	11	1	ADQ32686	Human facial skin-	2701	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2628	8.4	33.6	11	1	ADQ31946	Human facial skin-	2702	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2629	8.4	33.6	11	1	ADQ32367	Human facial skin-	2703	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2630	8.4	33.6	11	1	ADQ32991	Human facial skin-	2704	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2631	8.4	33.6	11	1	ADQ32836	Human facial skin-	2705	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2632	8.4	33.6	12	1	AB104049	Oligonucleotide pr	2706	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2633	8.4	33.6	12	1	AB158152	Oligonucleotide pr	2707	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2634	8.4	33.6	12	1	AB128163	Oligonucleotide pr	2708	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2635	8.4	33.6	12	1	AB161699	Oligonucleotide pr	2709	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2636	8.4	33.6	12	1	AB156451	Oligonucleotide pr	2710	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2637	8.4	33.6	12	1	AB136456	Oligonucleotide pr	2711	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2638	8.4	33.6	12	1	ABH83649	Oligonucleotide pr	2712	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2639	8.4	33.6	12	1	AB112402	Oligonucleotide pr	2713	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2640	8.4	33.6	12	1	ABH84256	Oligonucleotide pr	2714	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2641	8.4	33.6	12	1	ABH70417	Oligonucleotide pr	2715	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2642	8.4	33.6	12	1	AB134421	Oligonucleotide pr	2716	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2643	8.4	33.6	12	1	AB157848	Oligonucleotide pr	2717	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2644	8.4	33.6	12	1	ABH74002	Oligonucleotide pr	2718	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2645	8.4	33.6	12	1	AB117287	Oligonucleotide pr	2719	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2646	8.4	33.6	12	1	ABH84257	Oligonucleotide pr	2720	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2647	8.4	33.6	12	1	AB175790	Oligonucleotide pr	2721	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2648	8.4	33.6	12	1	AB107455	Oligonucleotide pr	2722	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2649	8.4	33.6	12	1	AB176685	Oligonucleotide pr	2723	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2650	8.4	33.6	12	1	ABH75910	Oligonucleotide pr	2724	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2651	8.4	33.6	12	1	ABH75910	Oligonucleotide pr	2725	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2652	8.4	33.6	12	1	ABH72353	Oligonucleotide pr	2726	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2653	8.4	33.6	12	1	ABH97511	Oligonucleotide pr	2727	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2654	8.4	33.6	12	1	AAQ22817	Random oligonucleo	2728	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2655	8.4	33.6	12	1	AAQ22818	Random oligonucleo	2729	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2656	8.4	33.6	12	1	AAV48528	p53 gene antisense	2730	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2657	8.4	33.6	12	1	AAV48526	p53 gene antisense	2731	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
2658	8.4	33.6	12	1	ABH67622	Oligonucleotide pr	2732	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2659	8.4	33.6	12	1	AB118450	Oligonucleotide pr	2733	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
C2660	8.4	33.6	12	1	ABH96303	Oligonucleotide pr	2734	8.4	33.6	12	1	ABH73059	Oligonucleotide pr
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c3017	8.4	33.6	12	1	ABI33557	Oligonucleotide pr
c3018	8.4	33.6	12	1	ABI08660	Oligonucleotide pr
c3019	8.4	33.6	12	1	ABI35383	Oligonucleotide pr
c3020	8.4	33.6	12	1	ABH85713	Oligonucleotide pr
c3021	8.4	33.6	12	1	ABI10809	Oligonucleotide pr
c3022	8.4	33.6	12	1	ABH85977	Oligonucleotide pr
c3023	8.4	33.6	12	1	ABH86445	Oligonucleotide pr
c3024	8.4	33.6	12	1	ABI14931	Oligonucleotide pr
c3025	8.4	33.6	12	1	ABI15464	Oligonucleotide pr
c3026	8.4	33.6	12	1	ABI41181	Oligonucleotide pr

c3027	8.4	33.6	12	1	ABI16283	Oligonucleotide pr	c3100	8.4	33.6	12	1	ABH74574	Oligonucleotide pr
3028	8.4	33.6	12	1	ABI16872	Oligonucleotide pr	3101	8.4	33.6	12	1	ABI25033	Oligonucleotide pr
c3029	8.4	33.6	12	1	ABI41971	Oligonucleotide pr	c3102	8.4	33.6	12	1	ABH75095	Oligonucleotide pr
c3030	8.4	33.6	12	1	ABI42119	Oligonucleotide pr	3103	8.4	33.6	12	1	ABI00434	Oligonucleotide pr
3031	8.4	33.6	12	1	ABI42531	Oligonucleotide pr	3104	8.4	33.6	12	1	ABI00863	Oligonucleotide pr
3032	8.4	33.6	12	1	ABI45844	Oligonucleotide pr	c3105	8.4	33.6	12	1	ABH78073	Oligonucleotide pr
c3033	8.4	33.6	12	1	ABI47873	Oligonucleotide pr	3106	8.4	33.6	12	1	ABI03714	Oligonucleotide pr
c3034	8.4	33.6	12	1	ABI50046	Oligonucleotide pr	c3107	8.4	33.6	12	1	ABH79330	Oligonucleotide pr
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3038	8.4	33.6	12	1	ABI54820	Oligonucleotide pr	c3111	8.4	33.6	12	1	ABI09269	Oligonucleotide pr
c3039	8.4	33.6	12	1	ABI54910	Oligonucleotide pr	c3112	8.4	33.6	12	1	ABI34788	Oligonucleotide pr
3040	8.4	33.6	12	1	ABI55224	Oligonucleotide pr	3113	8.4	33.6	12	1	ABI35393	Oligonucleotide pr
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c3042	8.4	33.6	12	1	ABI71787	Oligonucleotide pr	c3115	8.4	33.6	12	1	ABH85808	Oligonucleotide pr
c3043	8.4	33.6	12	1	ABI58304	Oligonucleotide pr	c3116	8.4	33.6	12	1	ABH89542	Oligonucleotide pr
c3044	8.4	33.6	12	1	ABI61508	Oligonucleotide pr	c3117	8.4	33.6	12	1	ABI40049	Oligonucleotide pr
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c3053	8.4	33.6	12	1	ABI80769	Oligonucleotide pr	c3126	8.4	33.6	12	1	ABI52226	Oligonucleotide pr
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3056	8.4	33.6	12	1	ABH68316	Oligonucleotide pr	3129	8.4	33.6	12	1	ABI54076	Oligonucleotide pr
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c3058	8.4	33.6	12	1	ABH73224	Oligonucleotide pr	3131	8.4	33.6	12	1	ABI71436	Oligonucleotide pr
3059	8.4	33.6	12	1	ABH98351	Oligonucleotide pr	c3132	8.4	33.6	12	1	ABI58153	Oligonucleotide pr
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c3061	8.4	33.6	12	1	ABH76675	Oligonucleotide pr	3134	8.4	33.6	12	1	ABI73219	Oligonucleotide pr
3062	8.4	33.6	12	1	ABI02098	Oligonucleotide pr	c3135	8.4	33.6	12	1	ABI60459	Oligonucleotide pr
c3063	8.4	33.6	12	1	ABI28417	Oligonucleotide pr	c3136	8.4	33.6	12	1	ABI77523	Oligonucleotide pr
3064	8.4	33.6	12	1	ABI03983	Oligonucleotide pr	3137	8.4	33.6	12	1	ABI81934	Oligonucleotide pr
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c3068	8.4	33.6	12	1	ABH84196	Oligonucleotide pr	3141	8.4	33.6	12	1	ABH70768	Oligonucleotide pr
c3069	8.4	33.6	12	1	ABI112659	Oligonucleotide pr	3142	8.4	33.6	12	1	ABI21065	Oligonucleotide pr
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c3072	8.4	33.6	12	1	ABI40791	Oligonucleotide pr	3145	8.4	33.6	12	1	ABI26322	Oligonucleotide pr
3073	8.4	33.6	12	1	ABH92024	Oligonucleotide pr	c3146	8.4	33.6	12	1	ABI03202	Oligonucleotide pr
c3074	8.4	33.6	12	1	ABH67174	Oligonucleotide pr	c3147	8.4	33.6	12	1	ABH78335	Oligonucleotide pr
c3075	8.4	33.6	12	1	ABI43642	Oligonucleotide pr	3148	8.4	33.6	12	1	ABH79407	Oligonucleotide pr
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c3078	8.4	33.6	12	1	ABI49606	Oligonucleotide pr	3151	8.4	33.6	12	1	ABI06526	Oligonucleotide pr
c3079	8.4	33.6	12	1	ABI51893	Oligonucleotide pr	3152	8.4	33.6	12	1	ABI31762	Oligonucleotide pr
c3080	8.4	33.6	12	1	ABI67520	Oligonucleotide pr	c3153	8.4	33.6	12	1	ABI31762	Oligonucleotide pr
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c3084	8.4	33.6	12	1	ABI72583	Oligonucleotide pr	c3157	8.4	33.6	12	1	ABH82330	Oligonucleotide pr
c3085	8.4	33.6	12	1	ABI72832	Oligonucleotide pr	c3158	8.4	33.6	12	1	ABI36763	Oligonucleotide pr
c3086	8.4	33.6	12	1	ABI73680	Oligonucleotide pr	c3159	8.4	33.6	12	1	ABI37679	Oligonucleotide pr
c3087	8.4	33.6	12	1	ABI74117	Oligonucleotide pr	c3160	8.4	33.6	12	1	ABH88255	Oligonucleotide pr
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C3502	8.4	33.6	12	1	ABK68786	Oligonucleotide #1
3503	8.4	33.6	12	1	ABK68796	Oligonucleotide #2
C3504	8.4	33.6	12	1	ABS59480	RNA sequence #6, f
C3505	8.4	33.6	12	1	ADB83326	DNA vector transcr

## ALIGNMENTS

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: April 4, 2005, 15:07:29 ; Search time 0.001 Seconds  
(without alignments)  
57.640 Million cell updates/sec

Title: us-10-088-666-74

Perfect score: 20  
Sequence: 1 gagggaagaagtctcttat 20

Scoring table: IDENTITY NUC  
Gapop 10<sub>0</sub> , Gapext 0.5

Searched: 132 segs, 1441 residues

Total number of hits satisfying chosen parameters: 264

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 133 summaries

Database : 74issdb:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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2	9.4	47.0	12	1	US-08-476-562-1
3	9.4	47.0	12	1	US-08-479-723A-1
4	9.4	47.0	12	1	PCR-US94-04310-1
5	9.4	47.0	13	1	US-08-727-685-4
6	9	45.0	10	1	US-08-173-489C-282
7	9	45.0	10	1	US-10-042-111-41
8	9	45.0	11	1	US-08-173-489C-25
9	9	45.0	11	1	US-08-173-489C-54
10	9	45.0	11	1	US-08-173-489C-132
11	9	45.0	11	1	US-08-952-793-291
12	9	45.0	11	1	US-09-849-928-291
13	9	45.0	11	1	PCR-US96-09455A-291
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16	9	45.0	12	1	US-08-993-118-4
17	9	45.0	12	1	US-08-748-130-26
18	9	45.0	12	1	US-08-845-528C-4
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20	9	45.0	12	1	US-08-969-815-11
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22	9	45.0	12	1	US-09-178-973B-6
23	9	45.0	12	1	US-09-261-079-6
24	9	45.0	12	1	US-09-419-568F-6
25	9	45.0	12	1	US-09-354-243B-6
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27	9	45.0	12	1	US-09-656-952-12
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1	US-09-468-433C-4	12	45.0	9	34	Sequence 4, Appli
2	US-08-424-550B-4	12	45.0	9	35	Sequence 4, Appli
3	US-10-193-451A-12	12	45.0	9	36	Sequence 12, Appl
4	PCR-US96-09430-18	12	44.0	8	37	Sequence 18, Appl
5	US-08-388-253-358	12	42.0	8	38	Sequence 358, App
6	US-08-488-551B-358	10	42.0	8	39	Sequence 358, App
7	5422251-3	10	42.0	8	40	Patent No. 5422251
8	US-08-478-470-4	11	42.0	8	41	Sequence 4, Appli
9	US-08-478-470-5	11	42.0	8	42	Sequence 5, Appli
10	US-08-478-470-6	11	42.0	8	43	Sequence 6, Appli
11	US-08-214-599-4	11	42.0	8	44	Sequence 4, Appli
12	US-08-214-599-5	11	42.0	8	45	Sequence 5, Appli
13	US-08-214-599-6	11	42.0	8	46	Sequence 6, Appli
14	US-08-473-015-4	11	42.0	8	47	Sequence 4, Appli
15	US-08-473-015-5	11	42.0	8	48	Sequence 5, Appli
16	US-08-473-015-6	11	42.0	8	49	Sequence 6, Appli
17	US-08-603-568-2	11	42.0	8	50	Sequence 2, Appli
18	US-08-465-368-4	11	42.0	8	51	Sequence 4, Appli
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21	US-08-477-306-4	11	42.0	8	54	Sequence 10, Appl
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28	US-08-344-695-22	12	42.0	8	61	Sequence 10, Appl
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35	US-09-332-319-10	12	42.0	8	68	Sequence 10, Appl
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37	US-08-173-489C-279	10	40.0	8	70	Sequence 5, Appli
38	US-09-301-721A-18	10	40.0	8	71	Sequence 6, Appli
39	US-08-894-454-129	10	40.0	8	72	Sequence 22, Appl
40	US-09-534-366A-18	10	40.0	8	73	Sequence 23, Appl
41	US-10-105-101A-8	10	40.0	8	74	Sequence 34, Appl
42	US-08-173-489C-296	11	40.0	8	75	Sequence 155, App
43	US-09-487-130-12	11	40.0	8	76	Sequence 34, Appl
44	US-09-487-130-14	11	40.0	8	77	Sequence 5, Appli
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46	US-10-055-732-9	11	39.0	8	79	Sequence 10, Appl
47	US-07-860-445-22	11	39.0	8	80	Sequence 17, Appl
48	US-08-665-511-22	11	39.0	8	81	Sequence 18, Appl
49	US-08-911-894-62	11	39.0	8	82	Sequence 279, App
50	US-09-033-743-22	11	39.0	8	83	Sequence 18, Appl
51	US-09-404-913-9	11	39.0	8	84	Sequence 129, App
52	PCR-US96-09430-21	11	39.0	8	85	Sequence 18, Appl
53	US-08-235-503B-52	10	37.0	8	86	Sequence 8, Appli
54	US-08-465-590-141	10	37.0	8	87	Sequence 296, App
55	US-08-173-489C-101	10	37.0	8	88	Sequence 12, Appl
56	US-08-173-489C-102	10	37.0	8	89	Sequence 13, Appl
57	US-08-276-567A-6	10	37.0	8	90	Sequence 14, Appl
58	US-08-286-819A-49	10	37.0	8	91	Sequence 18, Appl
59	US-08-585-888-19	10	37.0	8	92	Sequence 9, Appli
60	US-08-780-835B-5	10	37.0	8	93	Sequence 21, Appl
61	US-08-388-353-189	10	37.0	8	94	Sequence 52, Appl
62	US-08-388-353-190	10	37.0	8	95	Sequence 141, App
63	US-08-388-353-357	10	37.0	8	96	Sequence 101, App
64	US-08-388-353-359	10	37.0	8	97	Sequence 102, App
65	US-08-388-353-601	10	37.0	8	98	Sequence 6, Appli
66	US-08-388-353-602	10	37.0	8	99	Sequence 49, Appl

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c 113	7.4	37.0	10	1	US-08-488-551B-359	Sequence 359, App
c 114	7.4	37.0	10	1	US-08-488-551B-601	Sequence 601, App
c 115	7.4	37.0	10	1	US-08-488-551B-602	Sequence 602, App
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c 124	7.4	37.0	10	1	US-09-154-750A-54	Sequence 54, Appl
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c 128	7.4	37.0	10	1	US-09-442-054A-70	Sequence 70, Appl
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c 131	7.4	37.0	10	1	PCT-US95-05265-52	Sequence 52, Appl
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c 133	7	35.0	10	1	US-08-173-489C-102	Sequence 102, App

## ALIGNMENTS

RESULT 1  
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; Sequence 1, Application US/08049264C  
; Patent No. 5518901  
; GENERAL INFORMATION:  
; APPLICANT: Murtagh, James J.  
; TITLE OF INVENTION: METHODS FOR NUCLEIC ACID DETECTION,  
; TITLE OF INVENTION: SEQUENCING AND CLONING USING EXONUCLEASE  
; NUMBER OF SEQUENCES: 75  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NEEDLE & ROSENBERG, P. C.  
; STREET: Suite 1200, The Candler Bldg., 127  
; STREET: Peachtree Street N.E.  
; CITY: Atlanta  
; STATE: Georgia

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Title: us-10-088-666-74  
Perfect score: 20  
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Scoring table: IDENTITY NUC  
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and is derived by analysis of the total score distribution.

SUMMARIES

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C 2	12.4	62.0	17	US-10-156-306-6004 Sequence 6004, Ap
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C 4	12	60.0	13	US-10-257-017B-12612 Sequence 12612, A
C 5	12	60.0	13	US-10-257-017B-72557 Sequence 72557, A
C 6	12	60.0	13	US-10-257-017B-72558 Sequence 72558, A
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C 156	9.4	47.0	13	1	US-10-257-017B-86390	Sequence 86390, A	C 229	9.4	47.0	13	1	US-10-067-813-11	Sequence 11, Appl
C 157	9.4	47.0	13	1	US-10-257-017B-86391	Sequence 86391, A	C 230	9.4	47.0	13	1	US-10-085-108-4	Sequence 4, Appl
C 158	9.4	47.0	13	1	US-10-257-017B-86392	Sequence 86392, A	C 231	9.4	47.0	13	1	US-10-235-264-9	Sequence 9, Appl
C 159	9.4	47.0	13	1	US-10-257-017B-100283	Sequence 100283, A	C 232	9.4	47.0	13	1	US-10-193-451A-12	Sequence 12, Appl
C 160	9.4	47.0	13	1	US-10-257-017B-100284	Sequence 100284, A	C 233	9.4	47.0	13	1	US-10-348-190-27	Sequence 27, Appl
C 161	9.4	47.0	13	1	US-10-257-017B-102817	Sequence 102817, A	C 234	9.4	47.0	13	1	US-10-134-345-12	Sequence 12, Appl
C 162	9.4	47.0	13	1	US-10-257-017B-102818	Sequence 102818, A	C 235	9.4	47.0	13	1	US-10-096-534-72	Sequence 72, Appl
C 163	9.4	47.0	13	1	US-10-257-017B-104889	Sequence 104889, A	C 236	9.4	47.0	13	1	US-10-160-237-4	Sequence 4, Appl
C 164	9.4	47.0	13	1	US-10-257-017B-104890	Sequence 104890, A	C 237	9.4	47.0	13	1	US-10-453-264-17	Sequence 17, Appl
C 165	9.4	47.0	13	1	US-10-257-017B-109951	Sequence 109951, A	C 238	9.4	47.0	13	1	US-10-311-795-20	Sequence 20, Appl
C 166	9.4	47.0	13	1	US-10-257-017B-109952	Sequence 109952, A	C 239	9.4	47.0	13	1	US-10-619-141-12	Sequence 12, Appl
C 167	9.4	47.0	13	1	US-10-257-017B-117427	Sequence 117427, A	C 240	9.4	47.0	13	1	US-10-637-273-6	Sequence 6, Appl
C 168	9.4	47.0	13	1	US-10-257-017B-117428	Sequence 117428, A	C 241	9.4	47.0	13	1	US-10-257-017B-268731	Sequence 268731,
C 169	9.4	47.0	13	1	US-10-257-017B-120689	Sequence 120689, A	C 242	9.4	47.0	13	1	US-10-257-017B-272271	Sequence 272271,
C 170	9.4	47.0	13	1	US-10-257-017B-120690	Sequence 120690, A	C 243	9.4	47.0	13	1	US-10-257-017B-272272	Sequence 272272,
C 171	9.4	47.0	13	1	US-10-257-017B-127005	Sequence 127005, A	C 244	9.4	47.0	13	1	US-10-257-017B-273629	Sequence 273629,
C 172	9.4	47.0	13	1	US-10-257-017B-127006	Sequence 127006, A	C 245	9.4	47.0	13	1	US-10-257-017B-275612	Sequence 275612,
C 173	9.4	47.0	13	1	US-10-257-017B-133891	Sequence 133891, A	C 246	9.4	47.0	13	1	US-10-257-017B-279321	Sequence 279321,
C 174	9.4	47.0	13	1	US-10-257-017B-133892	Sequence 133892, A	C 247	9.4	47.0	13	1	US-10-257-017B-283273	Sequence 283273,
C 175	9.4	47.0	13	1	US-10-257-017B-133893	Sequence 133893, A	C 248	9.4	47.0	13	1	US-10-257-017B-290889	Sequence 290889,
C 176	9.4	47.0	13	1	US-10-257-017B-133894	Sequence 133894, A	C 249	9.4	47.0	13	1	US-10-257-017B-293345	Sequence 293345,
C 177	9.4	47.0	13	1	US-10-257-017B-147575	Sequence 147575, A	C 250	9.4	47.0	13	1	US-10-257-017B-297803	Sequence 297803,
C 178	9.4	47.0	13	1	US-10-257-017B-147576	Sequence 147576, A	C 251	9.4	47.0	13	1	US-10-257-017B-299023	Sequence 299023,
C 179	9.4	47.0	13	1	US-10-257-017B-151295	Sequence 151295,	C 252	9.4	47.0	13	1	US-10-257-017B-299024	Sequence 299024,



C 253	9	45.0	12	1	US-10-257-017B-300021	Sequence 300021,	C 326	8.8	44.0	12	1	US-10-257-017B-329851	Sequence 329851,
C 254	9	45.0	12	1	US-10-257-017B-302539	Sequence 302539,	C 327	8.8	44.0	12	1	US-10-257-017B-330298	Sequence 330298,
C 255	9	45.0	12	1	US-10-257-017B-303189	Sequence 303189,	C 328	8.8	44.0	12	1	US-10-257-017B-336117	Sequence 336117,
C 256	9	45.0	12	1	US-10-257-017B-303523	Sequence 303523,	C 329	8.8	44.0	12	1	US-10-257-017B-342347	Sequence 342347,
C 257	9	45.0	12	1	US-10-257-017B-309857	Sequence 309857,	C 330	8.8	44.0	12	1	US-10-257-017B-342379	Sequence 342379,
C 258	9	45.0	12	1	US-10-257-017B-310100	Sequence 310100,	C 331	8.8	44.0	12	1	US-10-257-017B-345411	Sequence 345411,
C 259	9	45.0	12	1	US-10-257-017B-311052	Sequence 311052,	C 332	8.8	44.0	12	1	US-10-257-017B-348125	Sequence 348125,
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C 262	9	45.0	12	1	US-10-257-017B-324666	Sequence 324666,	C 335	8.8	44.0	12	1	US-10-257-017B-350784	Sequence 350784,
C 263	9	45.0	12	1	US-10-257-017B-329705	Sequence 329705,	C 336	8.8	44.0	12	1	US-10-257-017B-351244	Sequence 351244,
C 264	9	45.0	12	1	US-10-257-017B-330585	Sequence 330585,	C 337	8.8	44.0	12	1	US-10-257-017B-355847	Sequence 355847,
C 265	9	45.0	12	1	US-10-257-017B-336499	Sequence 336499,	C 338	8.8	44.0	12	1	US-10-257-017B-356125	Sequence 356125,
C 266	9	45.0	12	1	US-10-257-017B-340760	Sequence 340760,	C 339	8.8	44.0	12	1	US-10-257-017B-356322	Sequence 356322,
C 267	9	45.0	12	1	US-10-257-017B-340827	Sequence 340827,	C 340	8.8	44.0	12	1	US-10-257-017B-356323	Sequence 356323,
C 268	9	45.0	12	1	US-10-257-017B-341613	Sequence 341613,	C 341	8.8	44.0	12	1	US-10-257-017B-358279	Sequence 358279,
C 269	9	45.0	12	1	US-10-257-017B-346185	Sequence 346185,	C 342	8.8	44.0	12	1	US-10-257-017B-358810	Sequence 358810,
C 270	9	45.0	12	1	US-10-257-017B-348969	Sequence 348969,	C 343	8.8	44.0	12	1	US-10-257-017B-360309	Sequence 360309,
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C 272	9	45.0	12	1	US-10-257-017B-350765	Sequence 350765,	C 345	8.8	44.0	12	1	US-10-257-017B-364950	Sequence 364950,
C 273	9	45.0	12	1	US-10-257-017B-355011	Sequence 355011,	C 346	8.8	44.0	12	1	US-10-257-017B-365305	Sequence 365305,
C 274	9	45.0	12	1	US-10-257-017B-358530	Sequence 358530,	C 347	8.8	44.0	12	1	US-10-257-017B-365321	Sequence 365321,
C 275	9	45.0	12	1	US-10-257-017B-360194	Sequence 360194,	C 348	8.8	44.0	12	1	US-10-257-017B-366301	Sequence 366301,
C 276	9	45.0	12	1	US-10-257-017B-362486	Sequence 362486,	C 349	8.8	44.0	12	1	US-10-257-017B-366335	Sequence 366335,
C 277	9	45.0	12	1	US-10-257-017B-362487	Sequence 362487,	C 350	8.8	44.0	12	1	US-10-257-017B-367941	Sequence 367941,
C 278	9	45.0	12	1	US-10-257-017B-365518	Sequence 365518,	C 351	8.8	44.0	12	1	US-10-257-017B-370706	Sequence 370706,
C 279	9	45.0	12	1	US-10-257-017B-366640	Sequence 366640,	C 352	8.8	44.0	12	1	US-10-257-017B-371870	Sequence 371870,
C 280	9	45.0	12	1	US-10-257-017B-367722	Sequence 367722,	C 353	8.8	44.0	12	1	US-10-257-017B-372867	Sequence 372867,
C 281	9	45.0	12	1	US-10-257-017B-368045	Sequence 368045,	C 354	8.8	44.0	12	1	US-10-257-017B-377028	Sequence 377028,
C 282	9	45.0	12	1	US-10-257-017B-369209	Sequence 369209,	C 355	8.8	44.0	12	1	US-10-257-017B-377302	Sequence 377302,
C 283	9	45.0	12	1	US-10-257-017B-371739	Sequence 371739,	C 356	8.8	44.0	12	1	US-10-257-017B-378256	Sequence 378256,
C 284	9	45.0	12	1	US-10-257-017B-372303	Sequence 372303,	C 357	8.4	42.0	10	1	US-10-033-145-1193	Sequence 1193, Ap
C 285	9	45.0	12	1	US-10-257-017B-376195	Sequence 376195,	C 358	8.4	42.0	10	1	US-10-027-633-52244	Sequence 52244, A
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C 287	8.8	44.0	12	1	US-10-257-017B-267979	Sequence 267979,	C 360	8.4	42.0	10	1	US-10-027-633-52255	Sequence 52255, A
C 288	8.8	44.0	12	1	US-10-257-017B-267979	Sequence 267979,	C 361	8.4	42.0	10	1	US-10-027-633-52255	Sequence 52255, A
C 289	8.8	44.0	12	1	US-10-257-017B-272917	Sequence 272917,	C 362	8.4	42.0	10	1	US-10-293-223-312	Sequence 312, App
C 290	8.8	44.0	12	1	US-10-257-017B-272958	Sequence 272958,	C 363	8.4	42.0	10	1	US-10-494-975-22	Sequence 57, Appl
C 291	8.8	44.0	12	1	US-10-257-017B-273318	Sequence 273318,	C 364	8.4	42.0	12	1	US-10-279-684A-57	Sequence 118, App
C 292	8.8	44.0	12	1	US-10-257-017B-275555	Sequence 275555,	C 365	8.4	42.0	12	1	US-10-757-345-118	Sequence 143, App
C 293	8.8	44.0	12	1	US-10-257-017B-279092	Sequence 279092,	C 366	8.4	42.0	12	1	US-10-757-345-118	Sequence 143, App
C 294	8.8	44.0	12	1	US-10-257-017B-281730	Sequence 281730,	C 367	8.4	42.0	12	1	US-10-257-017B-267436	Sequence 267436,
C 295	8.8	44.0	12	1	US-10-257-017B-281738	Sequence 281738,	C 368	8.4	42.0	12	1	US-10-257-017B-271294	Sequence 271294,
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C 297	8.8	44.0	12	1	US-10-257-017B-285358	Sequence 285358,	C 370	8.4	42.0	12	1	US-10-257-017B-273248	Sequence 273248,
C 298	8.8	44.0	12	1	US-10-257-017B-285675	Sequence 285675,	C 371	8.4	42.0	12	1	US-10-257-017B-273375	Sequence 273375,
C 299	8.8	44.0	12	1	US-10-257-017B-286346	Sequence 286346,	C 372	8.4	42.0	12	1	US-10-257-017B-274890	Sequence 274890,
C 300	8.8	44.0	12	1	US-10-257-017B-291034	Sequence 291034,	C 373	8.4	42.0	12	1	US-10-257-017B-275797	Sequence 275797,
C 301	8.8	44.0	12	1	US-10-257-017B-293640	Sequence 293640,	C 374	8.4	42.0	12	1	US-10-257-017B-276373	Sequence 276373,
C 302	8.8	44.0	12	1	US-10-257-017B-294162	Sequence 294162,	C 375	8.4	42.0	12	1	US-10-257-017B-278319	Sequence 278319,
C 303	8.8	44.0	12	1	US-10-257-017B-295266	Sequence 295266,	C 376	8.4	42.0	12	1	US-10-257-017B-278654	Sequence 278654,
C 304	8.8	44.0	12	1	US-10-257-017B-299190	Sequence 299190,	C 377	8.4	42.0	12	1	US-10-257-017B-279783	Sequence 279783,
C 305	8.8	44.0	12	1	US-10-257-017B-299923	Sequence 299923,	C 378	8.4	42.0	12	1	US-10-257-017B-281235	Sequence 281235,
C 306	8.8	44.0	12	1	US-10-257-017B-300489	Sequence 300489,	C 379	8.4	42.0	12	1	US-10-257-017B-281533	Sequence 281533,
C 307	8.8	44.0	12	1	US-10-257-017B-300514	Sequence 300514,	C 380	8.4	42.0	12	1	US-10-257-017B-281961	Sequence 281961,
C 308	8.8	44.0	12	1	US-10-257-017B-304657	Sequence 304657,	C 381	8.4	42.0	12	1	US-10-257-017B-283817	Sequence 283817,
C 309	8.8	44.0	12	1	US-10-257-017B-311992	Sequence 311992,	C 382	8.4	42.0	12	1	US-10-257-017B-285383	Sequence 285383,
C 310	8.8	44.0	12	1	US-10-257-017B-312304	Sequence 312304,	C 383	8.4	42.0	12	1	US-10-257-017B-285559	Sequence 285559,
C 311	8.8	44.0	12	1	US-10-257-017B-312659	Sequence 312659,	C 384	8.4	42.0	12	1	US-10-257-017B-286696	Sequence 286696,
C 312	8.8	44.0	12	1	US-10-257-017B-313403	Sequence 313403,	C 385	8.4	42.0	12	1	US-10-257-017B-288378	Sequence 288378,
C 313	8.8	44.0	12	1	US-10-257-017B-313623	Sequence 313623,	C 386	8.4	42.0	12	1	US-10-257-017B-288605	Sequence 288605,
C 314	8.8	44.0	12	1	US-10-257-017B-313624	Sequence 313624,	C 387	8.4	42.0	12	1	US-10-257-017B-288606	Sequence 288606,
C 315	8.8	44.0	12	1	US-10-257-017B-315573	Sequence 315573,	C 388	8.4	42.0	12	1	US-10-257-017B-290904	Sequence 290904,
C 316	8.8	44.0	12	1	US-10-257-017B-315989	Sequence 315989,	C 389	8.4	42.0	12	1	US-10-257-017B-291323	Sequence 291323,
C 317	8.8	44.0	12	1	US-10-257-017B-317709	Sequence 317709,	C 390	8.4	42.0	12	1	US-10-257-017B-291324	Sequence 291324,
C 318	8.8	44.0	12	1	US-10-257-017B-318644	Sequence 318644,	C 391	8.4	42.0	12	1	US-10-257-017B-292617	Sequence 292617,
C 319	8.8	44.0	12	1	US-10-257-017B-318696	Sequence 318696,	C 392	8.4	42.0	12	1	US-10-257-017B-293152	Sequence 293152,
C 320	8.8	44.0	12	1	US-10-257-017B-319070	Sequence 319070,	C 393	8.4	42.0	12	1	US-10-257-017B-293153	Sequence 293153,
C 321	8.8	44.0	12	1	US-10-257-017B-319303	Sequence 319303,	C 394	8.4	42.0	12	1	US-10-257-017B-293346	Sequence 293346,
C 322	8.8	44.0	12	1	US-10-257-017B-319524	Sequence 319524,	C 395	8.4	42.0	12	1	US-10-257-017B-293813	Sequence 293813,
C 323	8.8	44.0	12	1	US-10-257-017B-322125	Sequence 322125,	C 396	8.4	42.0	12	1	US-10-257-017B-296537	Sequence 296537,
C 324	8.8	44.0	12	1	US-10-257-017B-326624	Sequence 326624,	C 397	8.4	42.0	12	1	US-10-257-017B-296818	Sequence 296818,
C 325	8.8	44.0	12	1	US-10-257-017B-326968	Sequence 326968,	C 398	8.4	42.0	12	1	US-10-257-017B-297878	Sequence 297878,

C 399	8.4	42.0	12	1	US-10-257-017B-299274	Sequence 299274,	C 472	8.4	42.0	12	1	US-10-257-017B-368206,
C 400	8.4	42.0	12	1	US-10-257-017B-301752	Sequence 301752,	C 473	8.4	42.0	12	1	US-10-257-017B-368499,
C 401	8.4	42.0	12	1	US-10-257-017B-302127	Sequence 302127,	C 474	8.4	42.0	12	1	US-10-257-017B-369447,
C 402	8.4	42.0	12	1	US-10-257-017B-302296	Sequence 302296,	C 475	8.4	42.0	12	1	US-10-257-017B-369590,
C 403	8.4	42.0	12	1	US-10-257-017B-303508	Sequence 303508,	C 476	8.4	42.0	12	1	US-10-257-017B-371299,
C 404	8.4	42.0	12	1	US-10-257-017B-304261	Sequence 304261,	C 477	8.4	42.0	12	1	US-10-257-017B-373823,
C 405	8.4	42.0	12	1	US-10-257-017B-304642	Sequence 304642,	C 478	8.4	42.0	12	1	US-10-257-017B-375143,
C 406	8.4	42.0	12	1	US-10-257-017B-305379	Sequence 305379,	C 479	8.4	42.0	12	1	US-10-257-017B-375520,
C 407	8.4	42.0	12	1	US-10-257-017B-305464	Sequence 305464,	C 480	8.4	42.0	12	1	US-10-257-017B-377102,
C 408	8.4	42.0	12	1	US-10-257-017B-305841	Sequence 305841,	C 481	8.4	42.0	12	1	US-10-257-017B-377189,
C 409	8.4	42.0	12	1	US-10-257-017B-306215	Sequence 306215,	C 482	8.4	42.0	12	1	US-10-257-017B-377949,
C 410	8.4	42.0	12	1	US-10-257-017B-306216	Sequence 306216,	C 483	8.4	42.0	12	1	US-10-857-673-32
C 411	8.4	42.0	12	1	US-10-257-017B-306639	Sequence 306639,						
C 412	8.4	42.0	12	1	US-10-257-017B-309298	Sequence 309298,						
C 413	8.4	42.0	12	1	US-10-257-017B-309298	Sequence 309298,						
C 414	8.4	42.0	12	1	US-10-257-017B-311363	Sequence 311363,						
C 415	8.4	42.0	12	1	US-10-257-017B-313100	Sequence 313100,						
C 416	8.4	42.0	12	1	US-10-257-017B-314428	Sequence 314428,						
C 417	8.4	42.0	12	1	US-10-257-017B-315191	Sequence 315191,						
C 418	8.4	42.0	12	1	US-10-257-017B-316922	Sequence 316922,						
C 419	8.4	42.0	12	1	US-10-257-017B-319072	Sequence 319072,						
C 420	8.4	42.0	12	1	US-10-257-017B-319362	Sequence 319362,						
C 421	8.4	42.0	12	1	US-10-257-017B-319877	Sequence 319877,						
C 422	8.4	42.0	12	1	US-10-257-017B-321503	Sequence 321503,						
C 423	8.4	42.0	12	1	US-10-257-017B-323842	Sequence 323842,						
C 424	8.4	42.0	12	1	US-10-257-017B-323862	Sequence 323862,						
C 425	8.4	42.0	12	1	US-10-257-017B-324112	Sequence 324112,						
C 426	8.4	42.0	12	1	US-10-257-017B-324911	Sequence 324911,						
C 427	8.4	42.0	12	1	US-10-257-017B-325121	Sequence 325121,						
C 428	8.4	42.0	12	1	US-10-257-017B-327330	Sequence 327330,						
C 429	8.4	42.0	12	1	US-10-257-017B-328698	Sequence 328698,						
C 430	8.4	42.0	12	1	US-10-257-017B-329005	Sequence 329005,						
C 431	8.4	42.0	12	1	US-10-257-017B-329017	Sequence 329017,						
C 432	8.4	42.0	12	1	US-10-257-017B-329548	Sequence 329548,						
C 433	8.4	42.0	12	1	US-10-257-017B-331173	Sequence 331173,						
C 434	8.4	42.0	12	1	US-10-257-017B-332152	Sequence 332152,						
C 435	8.4	42.0	12	1	US-10-257-017B-332423	Sequence 332423,						
C 436	8.4	42.0	12	1	US-10-257-017B-333097	Sequence 333097,						
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C 457	8.4	42.0	12	1	US-10-257-017B-358994	Sequence 358994,						
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C 462	8.4	42.0	12	1	US-10-257-017B-360963	Sequence 360963,						
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C 470	8.4	42.0	12	1	US-10-257-017B-365877	Sequence 365877,						
C 471	8.4	42.0	12	1	US-10-257-017B-366106	Sequence 366106,						

## ALIGNMENTS

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: April 4, 2005, 15:10:44 ; Search time 0.001 Seconds  
(without alignments)  
287.200 Million cell updates/sec

Title: us-10-088-666-74

Perfect score: 20

Sequence: 1 gaggggaagaagttcttctat 20

Scoring table: IDENTITY NUC

Gapop 10\_0 , Gapext 0.5

Searched: 590 segs, 7180 residues

Total number of hits satisfying chosen parameters: 1180

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 594 summaries

Database : 74rngdb.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	20	100.0	20	1	AAF61639
2	13.8	69.0	18	1	ADN35815
3	13.4	67.0	19	1	ADF54138
4	13.4	67.0	19	1	ADF54474
5	12.4	62.0	17	1	ADL48436
6	12.4	62.0	17	1	ADL48127
7	12	60.0	13	1	ABC12605
8	12	60.0	13	1	ABC72541
9	12	60.0	13	1	ABC72540
10	12	60.0	13	1	ABC12604
11	12	60.0	17	1	ACC63310
12	11	55.0	12	1	AB154535
13	11	55.0	12	1	AB138973
14	11	55.0	12	1	AB167433
15	11	55.0	13	1	ABH31006
16	11	55.0	13	1	ABF27011
17	11	55.0	13	1	ABF98698
18	11	55.0	13	1	ABH52548
19	11	55.0	13	1	ABF98699
20	11	55.0	13	1	ABH52549
21	11	55.0	13	1	ABH40383
22	11	55.0	13	1	ABH40382
23	11	55.0	13	1	ABF27010
24	11	55.0	13	1	ABH31007
25	10.8	54.0	15	1	AA951133
26	10.8	54.0	15	1	AAF53787
27	10.8	54.0	15	1	AAF53788
28	10.6	53.0	13	1	ABF20181
29	10.6	53.0	13	1	ABH20180
30	10.4	52.0	12	1	AB118276
31	10.4	52.0	12	1	ABH68729
32	10.4	52.0	12	1	ABH71302
33	10.4	52.0	13	1	ABF95331

34	10.4	52.0	13	1	ABC12602	Oligonucleotide SE
35	10.4	52.0	13	1	ABH63585	Oligonucleotide SE
36	10.4	52.0	13	1	ABF42152	Oligonucleotide SE
37	10.4	52.0	13	1	ABF85330	Oligonucleotide SE
38	10.4	52.0	13	1	ABC80091	Oligonucleotide SE
39	10.4	52.0	13	1	ABF65801	Oligonucleotide SE
40	10.4	52.0	13	1	ABH63584	Oligonucleotide SE
41	10.4	52.0	13	1	ABF65800	Oligonucleotide SE
42	10.4	52.0	13	1	ABC12603	Oligonucleotide SE
43	10.4	52.0	13	1	ABF42153	Oligonucleotide SE
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52	10	50.0	11	1	ABV65508	Human skin EST 329
53	10	50.0	11	1	ABK99396	Human CYP3A5 gene
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55	10	50.0	12	1	AB160769	Oligonucleotide pr
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57	10	50.0	12	1	AB166319	Oligonucleotide pr
58	10	50.0	12	1	AB110880	Oligonucleotide pr
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62	10	50.0	13	1	AAF58003	Nucleic acid tripl
63	10	50.0	13	1	AAF58005	Oligonucleotide SE
64	10	50.0	13	1	ABF27044	Oligonucleotide SE
65	10	50.0	13	1	ABF77061	Oligonucleotide SE
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91	9.8	49.0	13	1	ABC42152	Oligonucleotide SE
92	9.8	49.0	13	1	ABF79332	Oligonucleotide SE
93	9.8	49.0	13	1	ABC81159	Oligonucleotide SE
94	9.8	49.0	13	1	ABC54293	Oligonucleotide SE
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97	9.6	48.0	13	1	ABF60698	Oligonucleotide SE
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99	9.4	47.0	11	1	ABV67943	Human skin EST 572
100	9.4	47.0	11	1	ADN14387	Pyrimidine nucleot
101	9.4	47.0	11	1	ADQ32878	Human facial skin-
102	9.4	47.0	11	1	ADQ32399	Human facial skin-
103	9.4	47.0	12	1	AAQ78521	Forward zipper. S
104	9.4	47.0	12	1	AAH80828	Gene specific zipp
105	9.4	47.0	12	1	ABH96563	Oligonucleotide pr
106	9.4	47.0	12	1	ABH99914	Oligonucleotide pr



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C 265 9 45.0 12 1 AAX58766 Oligonucleotide NB  
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12 1 AAL47924 Human chondrocyte  
12 1 AAS17618 Mouse G protein-co  
12 1 AAD23999 Adaptor #6 used in  
12 1 AAI72945 Primer N Bgl112, s  
12 1 ABX04212 Representational d  
12 1 AAD29770 PCR primer used in  
12 1 AAD27132 Oligo #6 to clone  
12 1 AAL41517 Oligonucleotide in  
12 1 ADJ63778 Human G protein-co  
12 1 ADX93693 N-Bgl adaptor olig  
12 1 ADF28994 Human G protein-co  
12 1 ADG18041 MAGE-C2 gene-relat  
12 1 ADH54856 Insulinoma represe  
12 1 ADM33163 DNA adapter #3. S  
12 1 ADF08467 Subacute transmiss  
12 1 ADF79396 Adapter N-Bgl-12.  
12 1 ADF84648 Mouse oligo #6 use  
12 1 ABH81745 Oligonucleotide pr  
12 1 ABI16016 Oligonucleotide pr  
12 1 ABI70733 Oligonucleotide pr  
12 1 ABI71897 Oligonucleotide pr  
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C 417	8.4	42.0	10	1	AAZ78765	Human dendritic ce
C 418	8.4	42.0	10	1	AAZ85479	Metastatic breast
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C 420	8.4	42.0	10	1	AAZ84870	Metastatic breast
C 421	8.4	42.0	10	1	AAZ82426	Metastatic breast
C 422	8.4	42.0	10	1	AAZ79907	Human dendritic ce
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C 462	8.4	42.0	11	1	ABK99395	Human CYP3A5 gene
C 463	8.4	42.0	11	1	ADQ32717	Human facial skin-
C 464	8.4	42.0	11	1	ADQ32717	Human facial skin-
C 465	8.4	42.0	12	1	AAT42900	bcr2/abl2 breakpoi
C 466	8.4	42.0	12	1	AAT35041	HBV C-gene (positi
C 467	8.4	42.0	12	1	AAK14768	Triple helix formi
C 468	8.4	42.0	12	1	AAA06941	Human XIAP IRES po
C 469	8.4	42.0	12	1	AAA06942	Human XIAP IRES po
C 470	8.4	42.0	12	1	AAA06946	Human XIAP IRES wi
C 471	8.4	42.0	12	1	AAA06953	Human XIAP IRES mu
C 472	8.4	42.0	12	1	ABI23869	Oligonucleotide pr
C 473	8.4	42.0	12	1	ABH76380	Oligonucleotide pr
C 474	8.4	42.0	12	1	ABH93353	Oligonucleotide pr
C 475	8.4	42.0	12	1	ABH93353	Oligonucleotide pr
C 476	8.4	42.0	12	1	ABH96825	Oligonucleotide pr
C 477	8.4	42.0	12	1	ABH90911	Oligonucleotide pr
C 478	8.4	42.0	12	1	ABI65063	Oligonucleotide pr
C 479	8.4	42.0	12	1	ABH73263	Oligonucleotide pr
C 480	8.4	42.0	12	1	ABI27357	Oligonucleotide pr
C 481	8.4	42.0	12	1	ABH79790	Oligonucleotide pr
C 482	8.4	42.0	12	1	ABI31200	Oligonucleotide pr
C 483	8.4	42.0	12	1	ABH85390	Oligonucleotide pr
C 484	8.4	42.0	12	1	ABI11390	Oligonucleotide pr
C 485	8.4	42.0	12	1	ABH88385	Oligonucleotide pr
C 486	8.4	42.0	12	1	ABI42352	Oligonucleotide pr
C 487	8.4	42.0	12	1	ABI59729	Oligonucleotide pr
C 488	8.4	42.0	12	1	ABI77129	Oligonucleotide pr
C 489	8.4	42.0	12	1	ABI64387	Oligonucleotide pr
C 490	8.4	42.0	12	1	ABH93820	Oligonucleotide pr
C 491	8.4	42.0	12	1	ABH96544	Oligonucleotide pr
C 492	8.4	42.0	12	1	ABI25148	Oligonucleotide pr
C 493	8.4	42.0	12	1	ABI04669	Oligonucleotide pr
C 494	8.4	42.0	12	1	ABI05406	Oligonucleotide pr
C 495	8.4	42.0	12	1	ABI36179	Oligonucleotide pr
C 496	8.4	42.0	12	1	ABI53884	Oligonucleotide pr
C 497	8.4	42.0	12	1	ABI24938	Oligonucleotide pr
C 498	8.4	42.0	12	1	ABH78661	Oligonucleotide pr
C 499	8.4	42.0	12	1	ABI29032	Oligonucleotide pr
C 500	8.4	42.0	12	1	ABI09953	Oligonucleotide pr
C 501	8.4	42.0	12	1	ABH88612	Oligonucleotide pr
C 502	8.4	42.0	12	1	ABH91330	Oligonucleotide pr
C 503	8.4	42.0	12	1	ABI48253	Oligonucleotide pr
C 504	8.4	42.0	12	1	ABI49970	Oligonucleotide pr
C 505	8.4	42.0	12	1	ABI57178	Oligonucleotide pr
C 506	8.4	42.0	12	1	ABI61004	Oligonucleotide pr
C 507	8.4	42.0	12	1	ABH78326	Oligonucleotide pr
C 508	8.4	42.0	12	1	ABH81540	Oligonucleotide pr
C 509	8.4	42.0	12	1	ABH86703	Oligonucleotide pr
C 510	8.4	42.0	12	1	ABI14455	Oligonucleotide pr
C 511	8.4	42.0	12	1	ABI40228	Oligonucleotide pr
C 512	8.4	42.0	12	1	ABI16949	Oligonucleotide pr
C 513	8.4	42.0	12	1	ABI69474	Oligonucleotide pr
C 514	8.4	42.0	12	1	ABI69617	Oligonucleotide pr
C 515	8.4	42.0	12	1	ABI56382	Oligonucleotide pr
C 516	8.4	42.0	12	1	ABI57151	Oligonucleotide pr
C 517	8.4	42.0	12	1	ABI61189	Oligonucleotide pr
C 518	8.4	42.0	12	1	ABH93160	Oligonucleotide pr
C 519	8.4	42.0	12	1	ABI01779	Oligonucleotide pr
C 520	8.4	42.0	12	1	ABI02154	Oligonucleotide pr
C 521	8.4	42.0	12	1	ABI32179	Oligonucleotide pr
C 522	8.4	42.0	12	1	ABI33125	Oligonucleotide pr
C 523	8.4	42.0	12	1	ABH91331	Oligonucleotide pr
C 524	8.4	42.0	12	1	ABH74903	Oligonucleotide pr
C 525	8.4	42.0	12	1	ABI04288	Oligonucleotide pr
C 526	8.4	42.0	12	1	ABH81968	Oligonucleotide pr
C 527	8.4	42.0	12	1	ABI60205	Oligonucleotide pr
C 528	8.4	42.0	12	1	ABI63272	Oligonucleotide pr
C 529	8.4	42.0	12	1	ABI19099	Oligonucleotide pr
C 530	8.4	42.0	12	1	ABH73171	Oligonucleotide pr
C 531	8.4	42.0	12	1	ABI05868	Oligonucleotide pr
C 532	8.4	42.0	12	1	ABI46247	Oligonucleotide pr
C 533	8.4	42.0	12	1	ABI65591	Oligonucleotide pr
C 534	8.4	42.0	12	1	ABI19904	Oligonucleotide pr
C 535	8.4	42.0	12	1	ABI15218	Oligonucleotide pr
C 536	8.4	42.0	12	1	ABI46395	Oligonucleotide pr
C 537	8.4	42.0	12	1	ABI71326	Oligonucleotide pr
C 538	8.4	42.0	12	1	ABI73850	Oligonucleotide pr
C 539	8.4	42.0	12	1	ABI65904	Oligonucleotide pr
C 540	8.4	42.0	12	1	ABI19389	Oligonucleotide pr
C 541	8.4	42.0	12	1	ABH99281	Oligonucleotide pr
C 542	8.4	42.0	12	1	ABH03535	Oligonucleotide pr
C 543	8.4	42.0	12	1	ABI06666	Oligonucleotide pr
C 544	8.4	42.0	12	1	ABI32450	Oligonucleotide pr

545	8.4	42.0	12	1	ABI09325	Oligonucleotide pr
546	8.4	42.0	12	1	ABI151832	Oligonucleotide pr
547	8.4	42.0	12	1	ABI154265	Oligonucleotide pr
C 548	8.4	42.0	12	1	ABI160990	Oligonucleotide pr
C 549	8.4	42.0	12	1	ABI62627	Oligonucleotide pr
C 550	8.4	42.0	12	1	ABH92624	Oligonucleotide pr
C 551	8.4	42.0	12	1	ABH71317	Oligonucleotide pr
C 552	8.4	42.0	12	1	ABI21530	Oligonucleotide pr
C 553	8.4	42.0	12	1	ABH97885	Oligonucleotide pr
C 554	8.4	42.0	12	1	ABI23889	Oligonucleotide pr
C 555	8.4	42.0	12	1	ABI241139	Oligonucleotide pr
C 556	8.4	42.0	12	1	ABI06243	Oligonucleotide pr
C 557	8.4	42.0	12	1	ABH88613	Oligonucleotide pr
C 558	8.4	42.0	12	1	ABI159021	Oligonucleotide pr
C 559	8.4	42.0	12	1	ABI28725	Oligonucleotide pr
C 560	8.4	42.0	12	1	ABI29575	Oligonucleotide pr
C 561	8.4	42.0	12	1	ABI331124	Oligonucleotide pr
C 562	8.4	42.0	12	1	ABI68213	Oligonucleotide pr
C 563	8.4	42.0	12	1	ABI68526	Oligonucleotide pr
C 564	8.4	42.0	12	1	ABI158350	Oligonucleotide pr
C 565	8.4	42.0	12	1	ABI177976	Oligonucleotide pr
C 566	8.4	42.0	12	1	ABI05491	Oligonucleotide pr
C 567	8.4	42.0	12	1	ABI06242	Oligonucleotide pr
C 568	8.4	42.0	12	1	ABH67459	Oligonucleotide pr
C 569	8.4	42.0	12	1	ABH73390	Oligonucleotide pr
C 570	8.4	42.0	12	1	ABH75804	Oligonucleotide pr
C 571	8.4	42.0	12	1	ABI29044	Oligonucleotide pr
C 572	8.4	42.0	12	1	ABH81242	Oligonucleotide pr
C 573	8.4	42.0	12	1	ABI38422	Oligonucleotide pr
C 574	8.4	42.0	12	1	ABI75170	Oligonucleotide pr
C 575	8.4	42.0	12	1	ABI66133	Oligonucleotide pr
C 576	8.4	42.0	12	1	ABH93159	Oligonucleotide pr
C 577	8.4	42.0	12	1	ABI02323	Oligonucleotide pr
C 578	8.4	42.0	12	1	ABH83824	Oligonucleotide pr
C 579	8.4	42.0	12	1	ABI35195	Oligonucleotide pr
C 580	8.4	42.0	12	1	ABH85566	Oligonucleotide pr
C 581	8.4	42.0	12	1	ABI13127	Oligonucleotide pr
C 582	8.4	42.0	12	1	ABI48003	Oligonucleotide pr
C 583	8.4	42.0	12	1	ABI151949	Oligonucleotide pr
C 584	8.4	42.0	12	1	ABI59101	Oligonucleotide pr
C 585	8.4	42.0	12	1	ABI60921	Oligonucleotide pr
C 586	8.4	42.0	12	1	ABI76547	Oligonucleotide pr
C 587	8.4	42.0	12	1	ABI77216	Oligonucleotide pr
C 588	8.4	42.0	12	1	ABX79693	EST polymorphic DN
C 589	8.4	42.0	12	1	ADP03151	Synthetic pH indic
C 590	8.4	42.0	12	1	AD058668	Immunomer #57. Sy
C 591	7.8	39.0	11	1	ADQ33603	Human facial skin-
C 592	7.8	39.0	15	1	AA951133	Allele specific pr
C 593	7.4	37.0	10	1	AAF38534	Yeast NORF gene SA
C 594	7.4	37.0	10	1	AAF36592	Yeast NORF gene SA

ALIGNMENTS



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